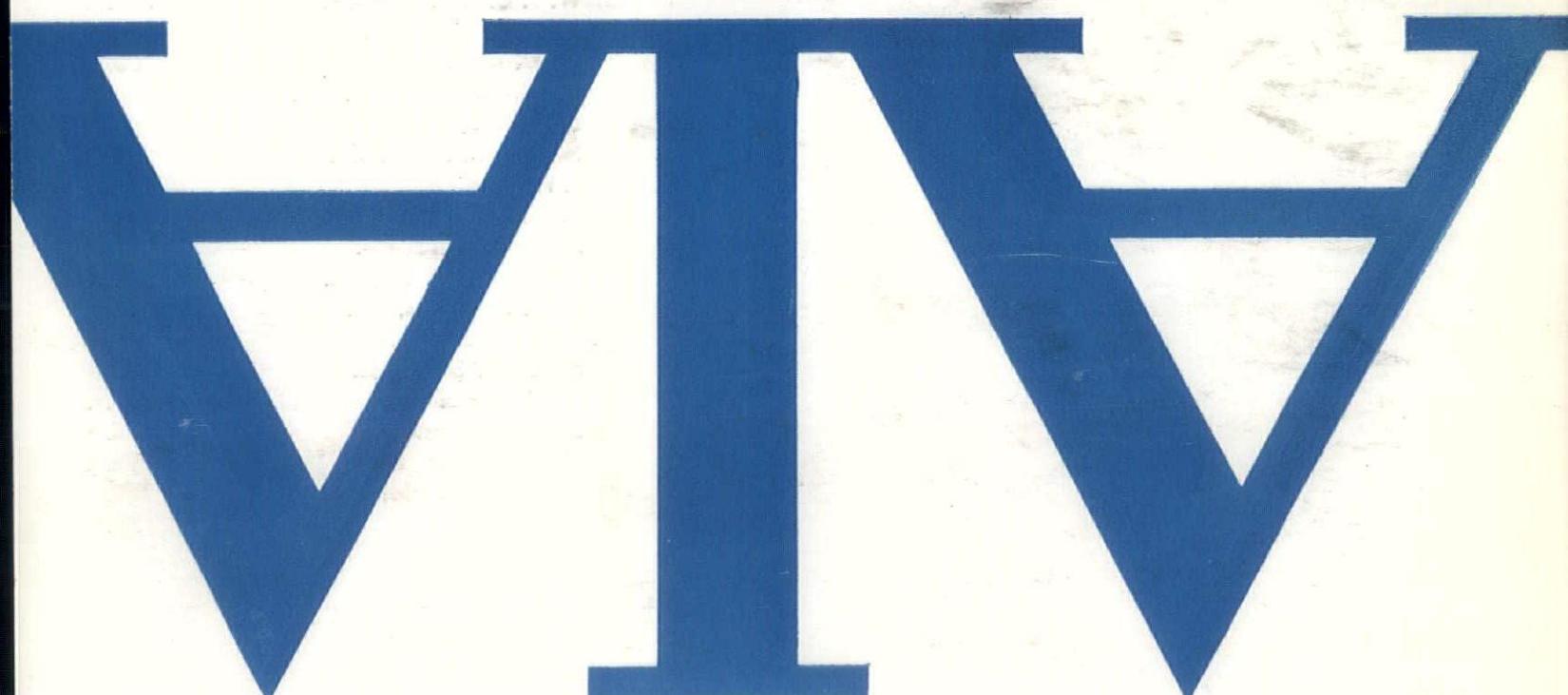


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monthly bulletin, michigan society of architects • volume 27, no. 4, april 1953



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The Detroit AGC Chapter

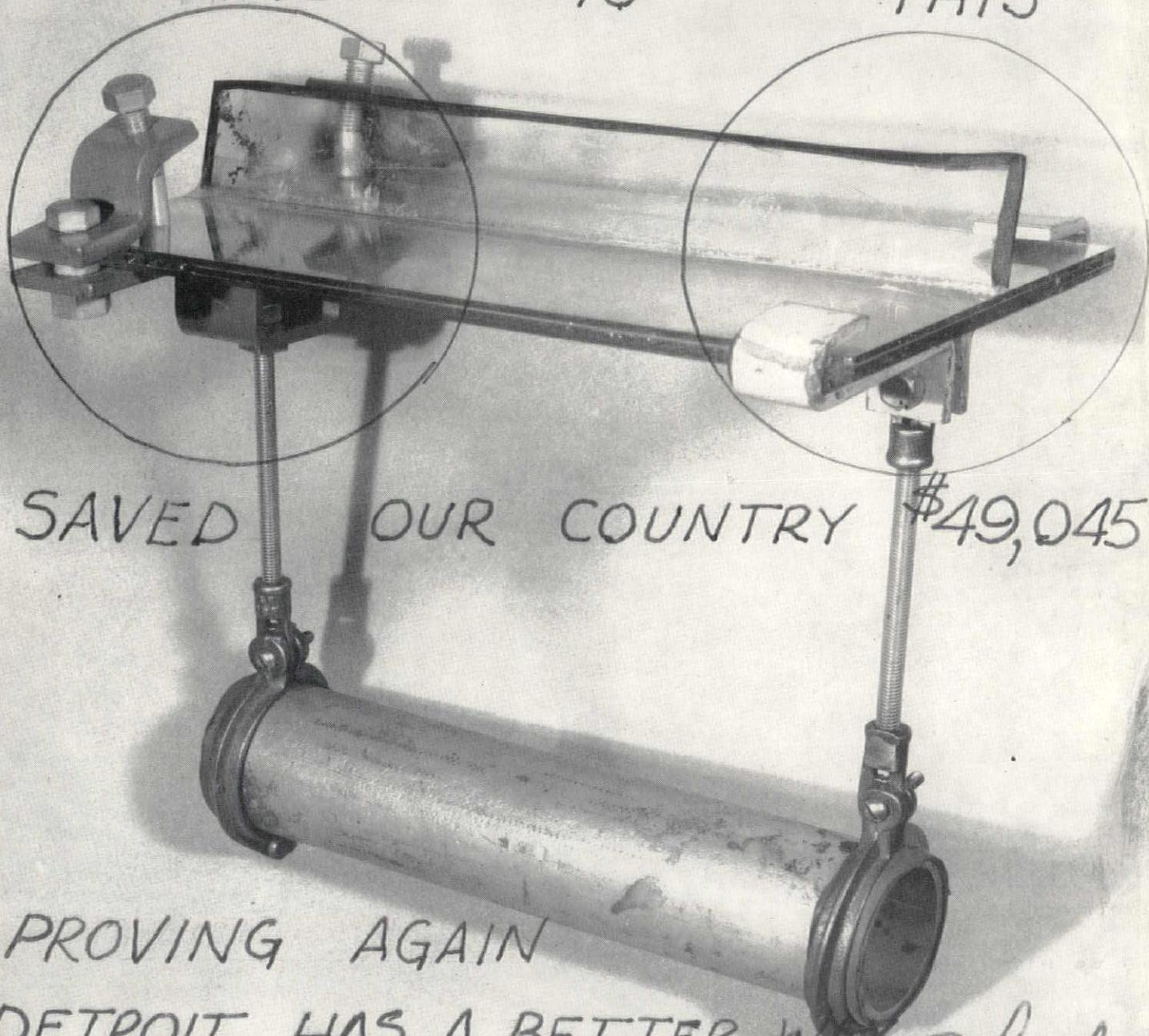
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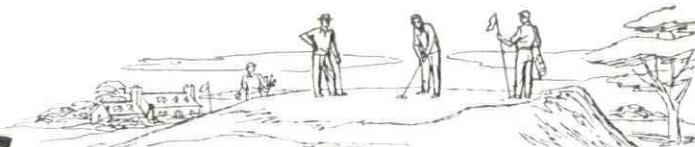
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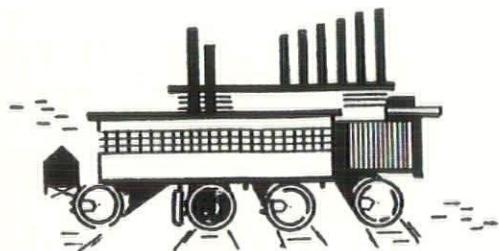


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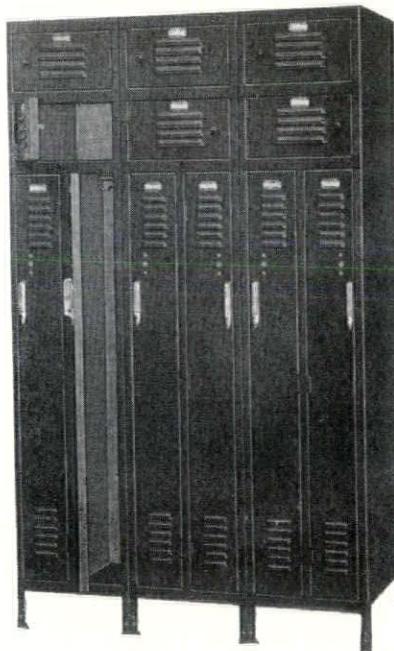
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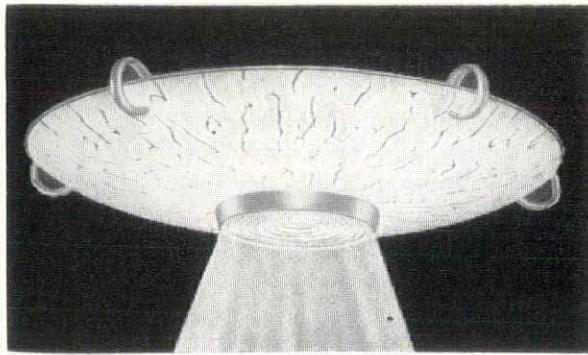
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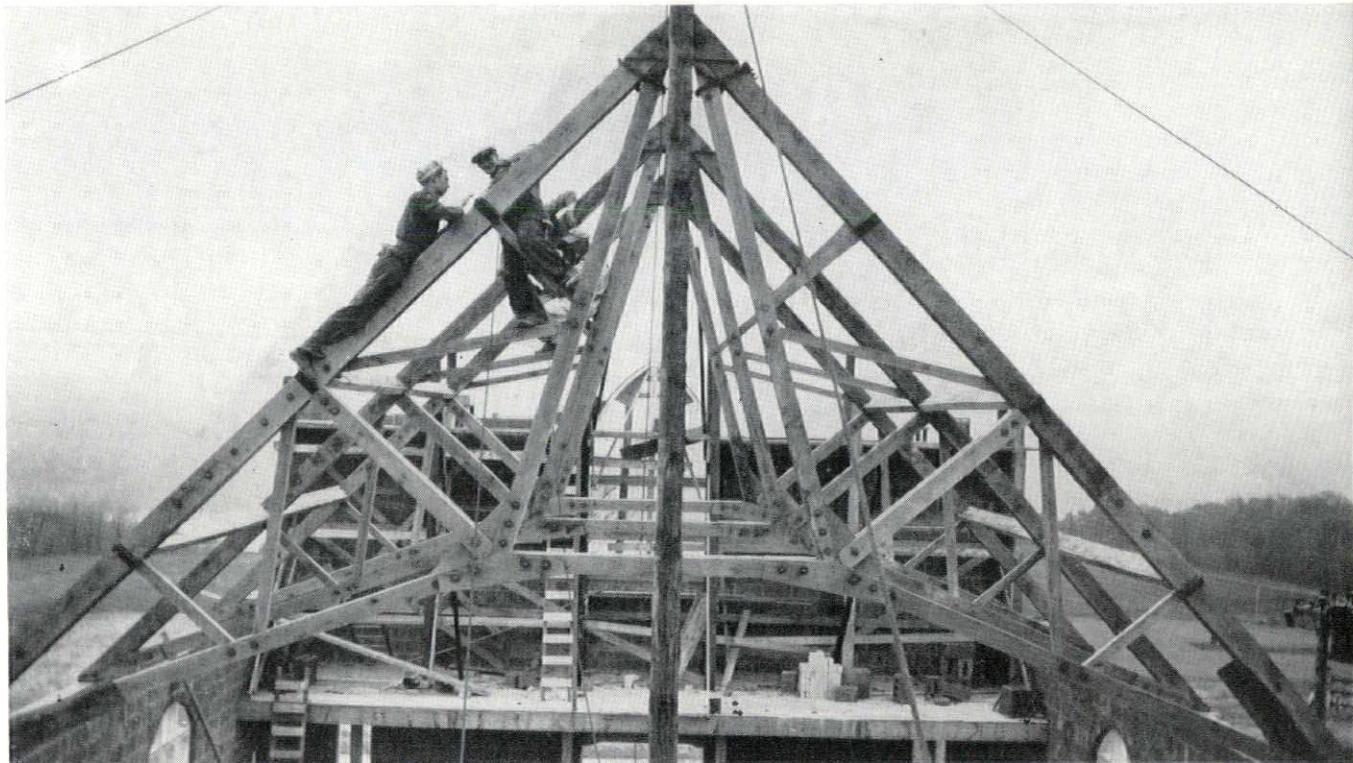


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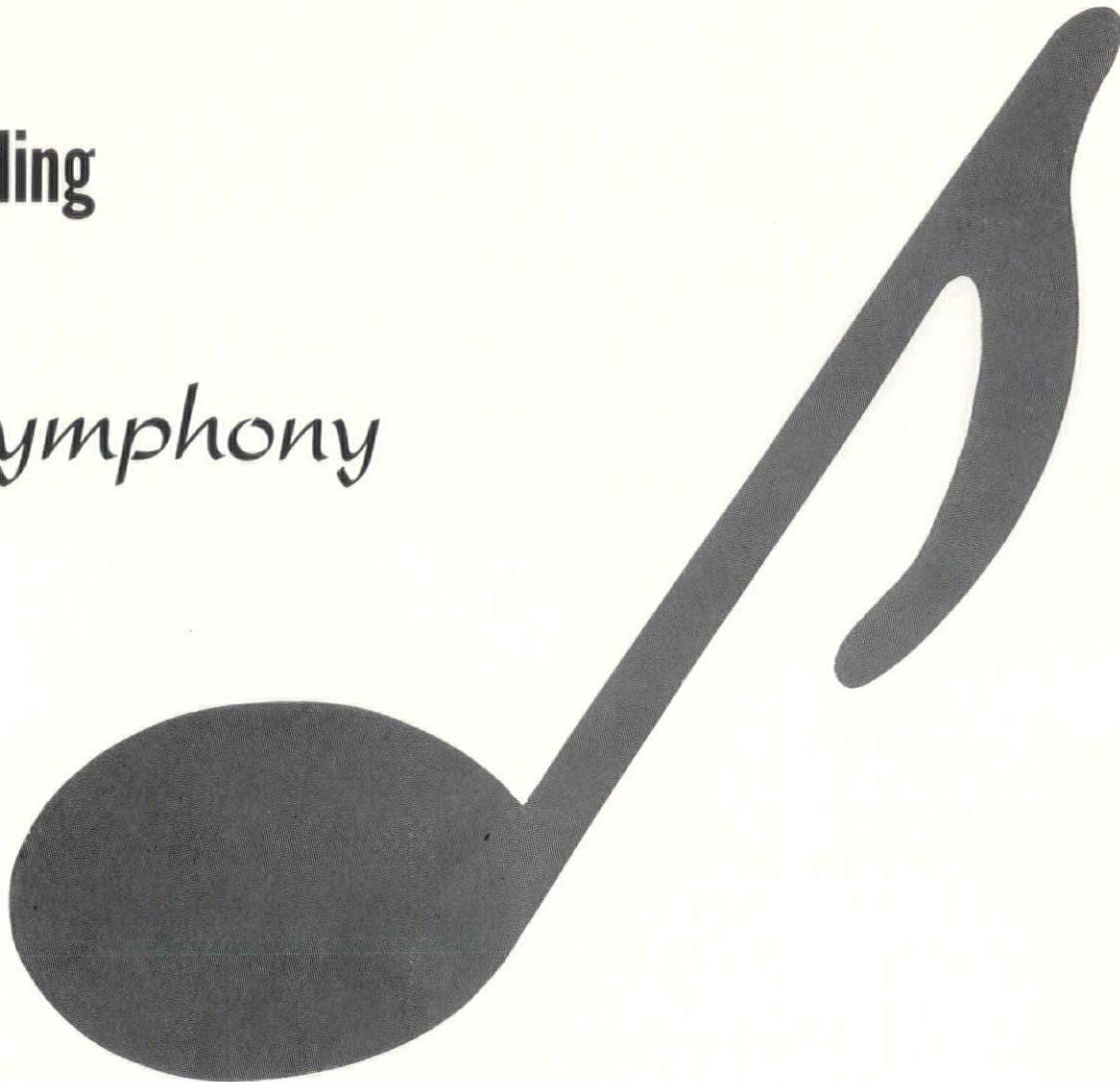
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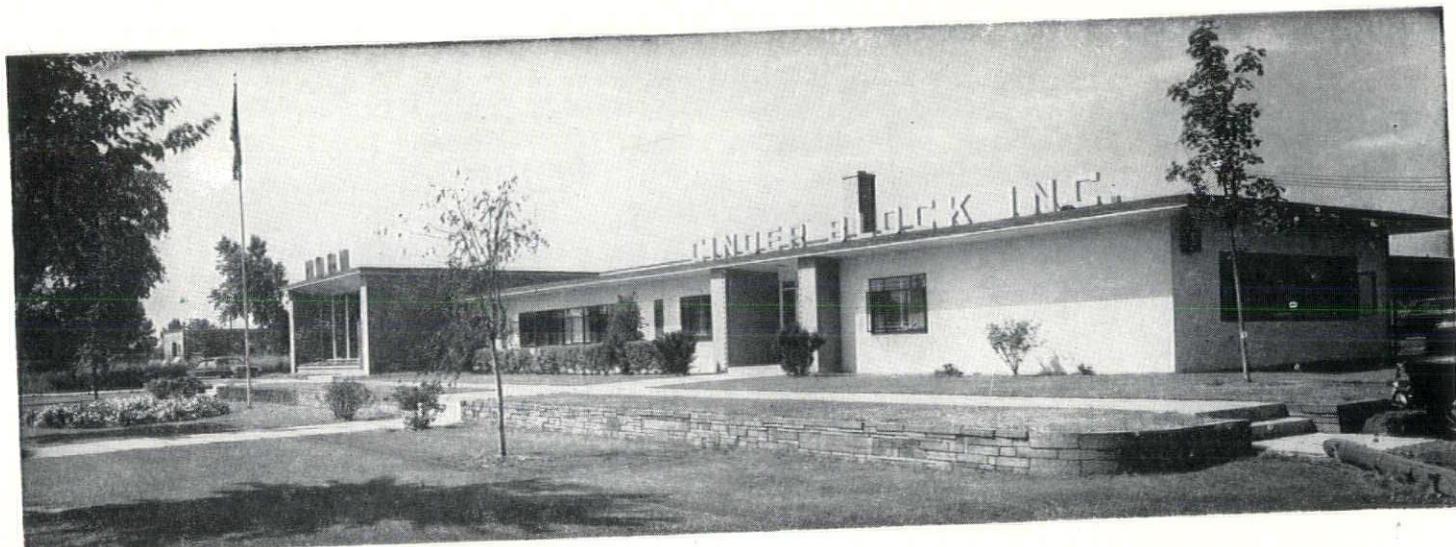
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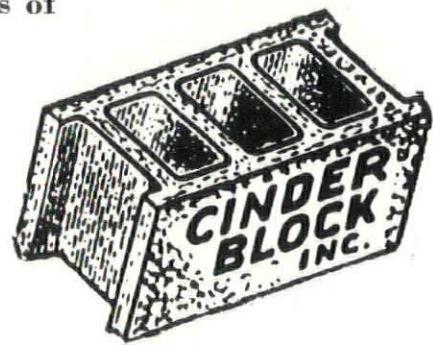
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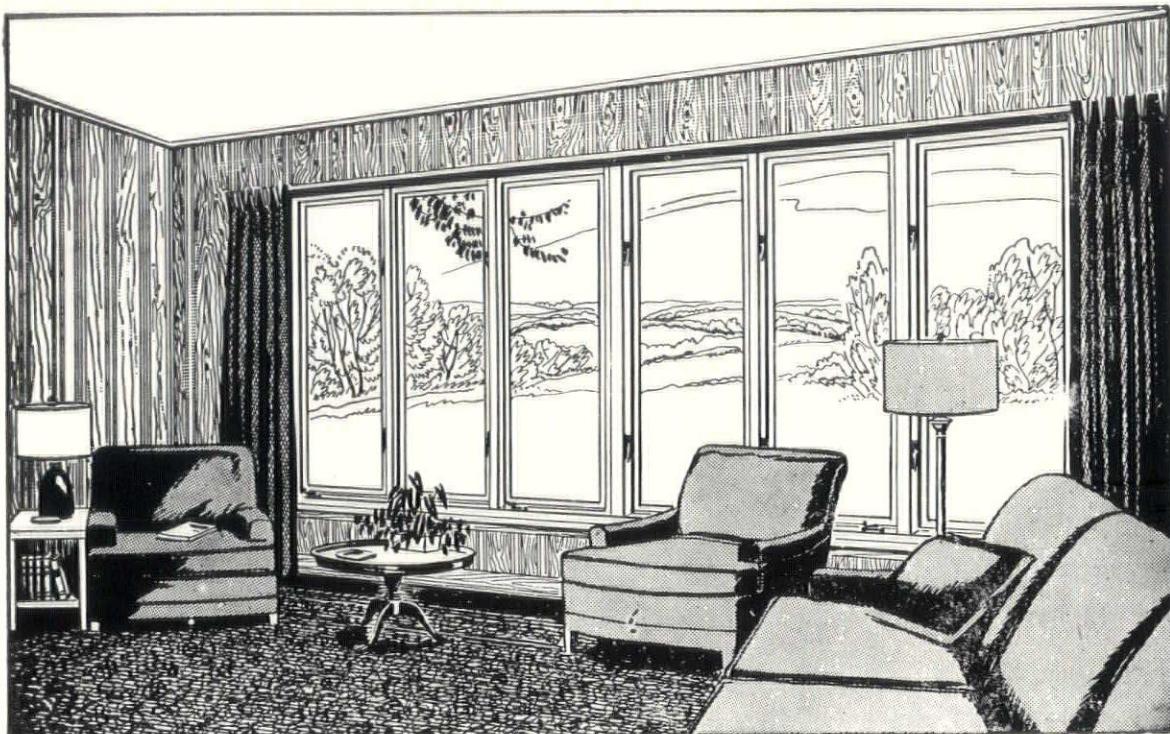
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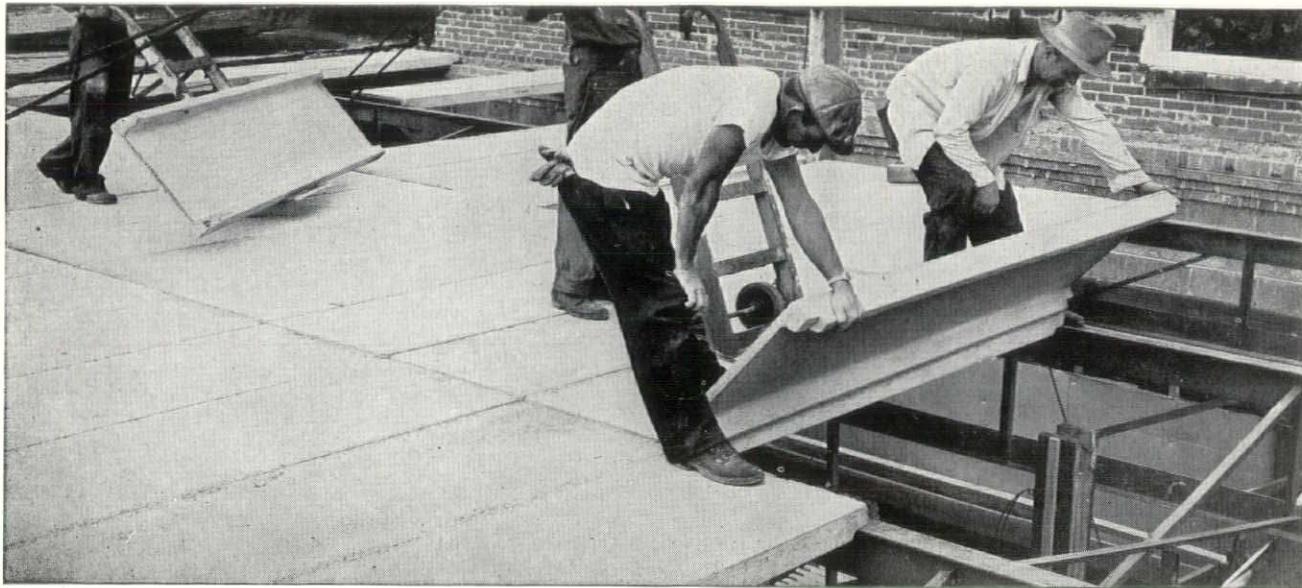
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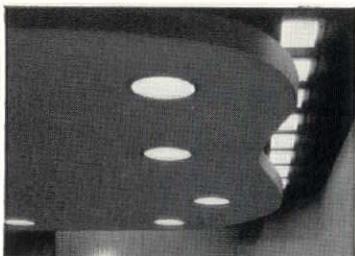
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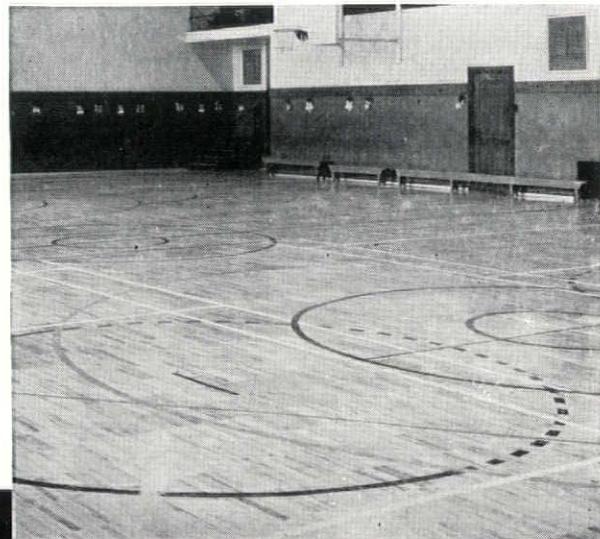
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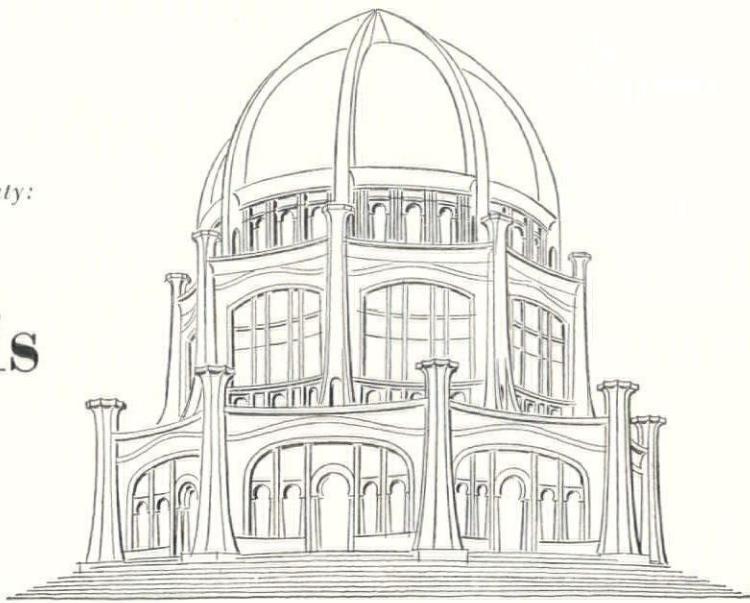


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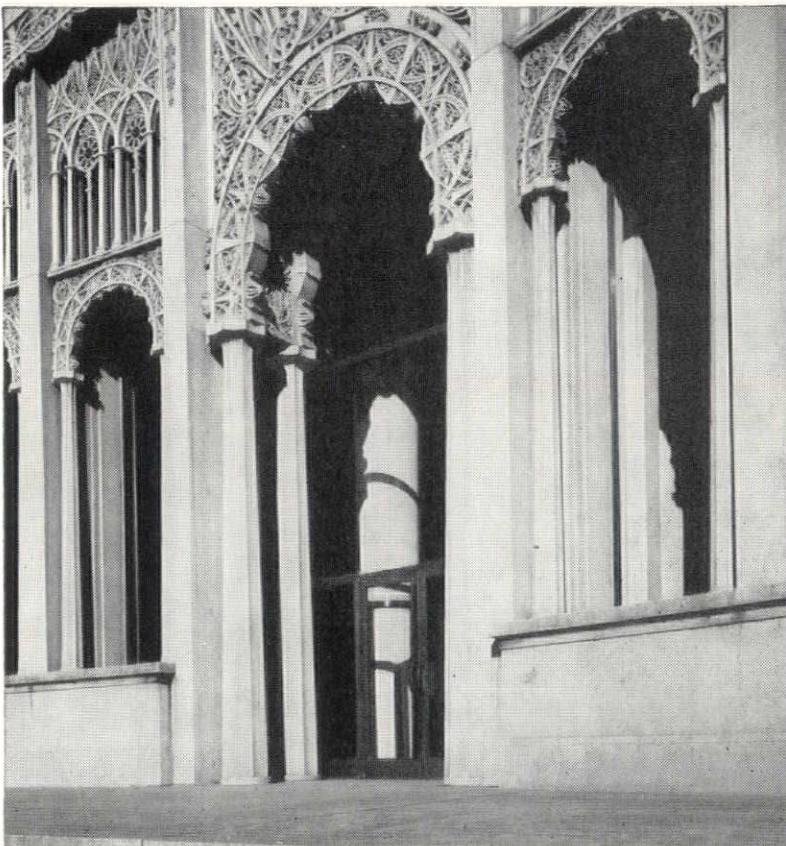
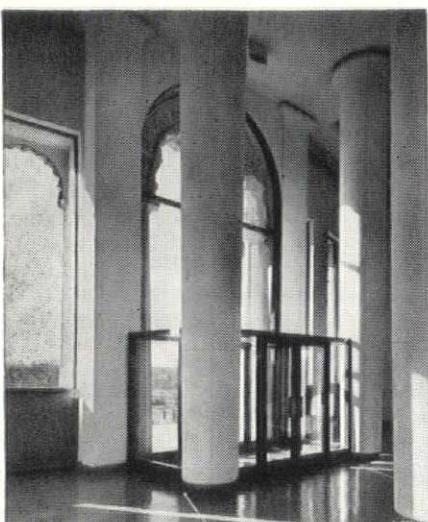
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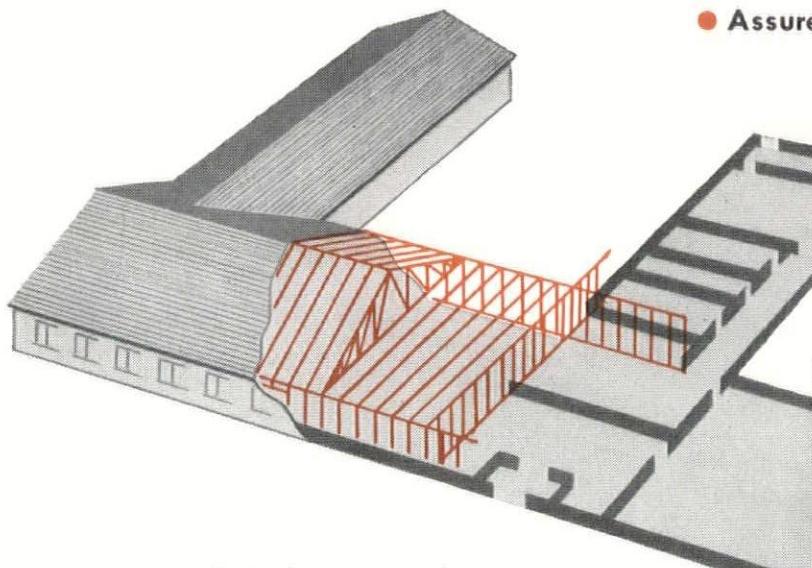
One of the nine entrances (right, exterior; below, interior). Original wood and steel frames were replaced with ANACONDA Bronze. First floor took ten tons.



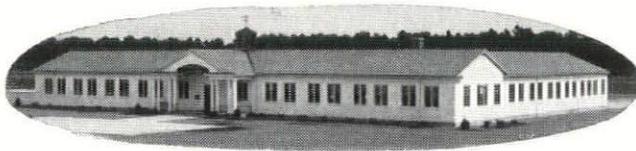
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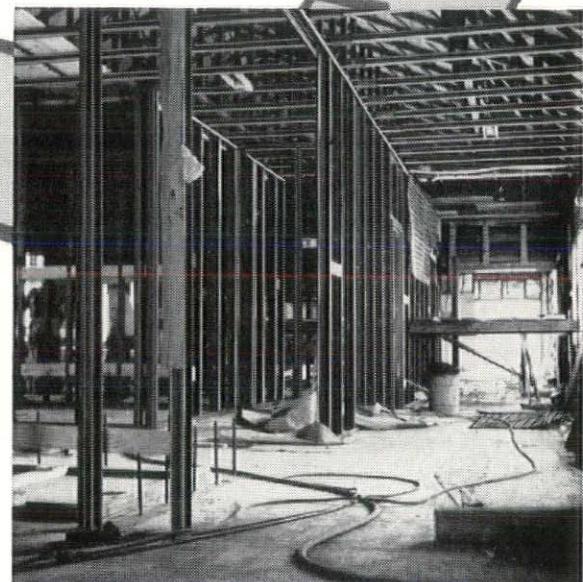
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architecture is a profession

chitects, and in some cases send out invitations to "bid" to a number of firms.

A few months ago the City of Saginaw inserted an advertisement of this kind in the newspapers there and elsewhere, which put architectural services strictly on a basis of price. It is reported that architects of the district did not submit "bids" but instead informed the City officials concerned that such a procedure was not proper. It is a sorry commentary that others from without the district did comply with the request, thereby adding to the confusion of those in charge.

The Bloomfield Hills School District did a similar thing not long ago, but it is believed that in this instance the building committee was promptly informed of the incorrect procedure. Certainly one would not think

of engaging a doctor, lawyer or other professionals on that basis.

The brochure "Organizing to Build," published by the Society answers most of the questions one might have regarding proper procedure in employing an architect, including a schedule of recommended minimum charges. There is nothing mandatory about the fees, but just what has been arrived at by the profession over a period of many years, as being fair to both client and architect. Ours are not price-fixing organizations. One can give away his services if he chooses, but if he is to give proper service and stay in practice there are certain minimums below which he cannot go. Often when fees are quoted below the standard the results are less service. This does no one any good and actually breaks down the advances

Recently the Board of Directors of the Detroit Chapter, A.I.A. has received several complaints regarding its members' conduct in serving their clients. Some of these have had to do with methods of solicitation, particularly where school boards are the clients. Such boards are often misinformed about the proper procedure in employing ar-

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MAY—SAGINAW VALLEY A.I.A.
JUNE—WESTERN MICH. A.I.A.
JULY—EERO SAARINEN & ASSOCIATES

AUGUST—10th ANNUAL MACKINAC MID-SUMMER CONFERENCE

SEPTEMBER—O'DELL, HEWLETT & LUCKENBACH

OCTOBER—ANNUAL M.S.A. ROSTER (Geographical)

NOVEMBER—DETROIT CHAPTER, A.I.A.

DECEMBER—LEINWEBER, YAMASAKI & HELLMUTH

1954, JANUARY — WILLIAM EDWARD KAPP

FEBRUARY—FRANTZ & SPENCE

MARCH—40th ANNUAL M.S.A. CONVENTION

APRIL—ANNUAL M.S.A. ROSTER (Alphabetical)

monthly bulletin, michigan society of architects

MONTHLY BULLETIN

Michigan Society of Architects
120 Madison Ave., Detroit 26, Mich., WO. 5-3680
Official Publication of the Michigan Society of Architects: Linn Smith, President; Charles B. McGrew, 1st Vice-president; Adrian N. Langius, 2nd Vice-president; Paul A. Brysselboult, 3rd Vice-president; Ralph W. Hammatt, Secretary; Elmer J. Manson, Treasurer; Directors — Roger Allen, L. Robert Blakeslee, Phillip C. Haughey, Sol King, Ralph W. Knuth, James B. Morison.

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including national architect

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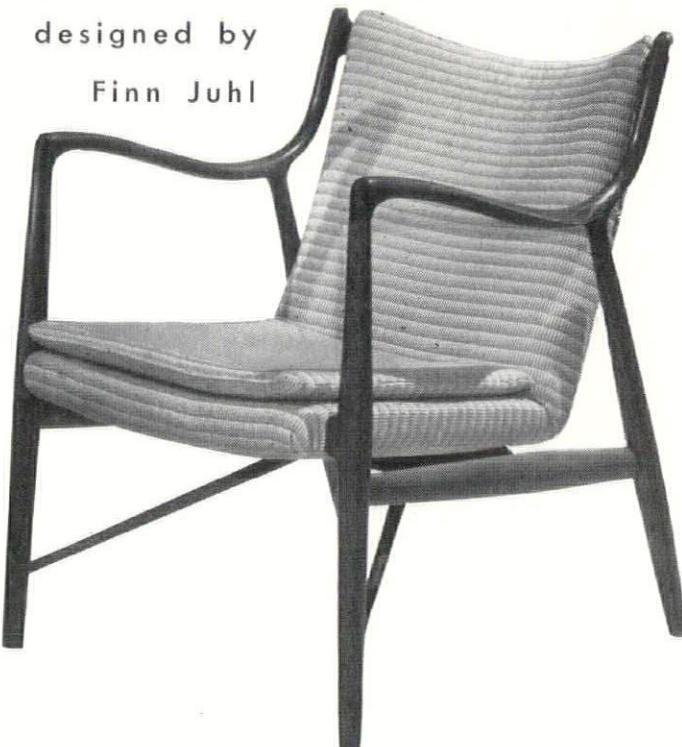
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made over a long period.

An Architect who holds out free sketches as a means of obtaining a commission is also doing the profession great harm. It is no different from the "package" service which has been so much opposed by the profession. The only reason it is at all advantageous is because all competitors do not offer such service. If they did then all would be on an equal basis, but in a weakened position, having bargained away a part of his services "free," and what is perhaps the most valuable service he has to offer.

There is recognized a problem common to school boards, and that is that they generally hesitate to expend money for sketches before a bond issue is voted, yet they need something on which to estimate costs and to form a basis for submission of a bond issue to the voters. It does seem that they should have a budget sufficient to employ technical assistance in making a survey of the school district's needs, to prepare a program including single-line diagrams from which reasonably accurate estimates might be prepared. Certainly an architect should be given a contract before he is expected to make sketches. After that he should make all the sketches necessary, and eventually be paid for them.

The booklet "Organizing to Build" is still available at 15 cents per copy.

advertisers

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DETROIT CHAPTER MEETING REPORT



Frederick Gutheim

Members of the Detroit Chapter, A.I.A. heard Frederick Gutheim of Washington, D. C. at their regular monthly meeting in the Rackham Memorial building on the evening of March 25. He spoke on the subject, "Have We One Architecture or Two?"

In the absence of Chapter president Amadeo Leone, who, with Mrs. Leone, is vacationing in Florida, Suren Pilafian, vice-president presided. He reported to the membership on the board meeting of that afternoon, and called upon John Cross who brought members up to date on activities of his Committee on Relations with the Construction Industry. Pilafian awarded an "Oscar" to Mr. and Mrs. Walter J. Rozicki for winning popular vote in the Architect's Own Home Exhibition at the recent M.S.A. Convention.

Pilafian also reported on the A.I.A.' members' listing in the yellow pages of the

telephone directory, saying that the cost to individuals would be less and the Chapter would make up the difference. Jokingly, he said the board was considering raising the dues because of this.

On being introduced by Wilhelm Von Moltke, chairman of The Chapter's Program Committee, Mr. Gutheim launched into his subject by saying that it was interesting to speculate on what is happening to architectural design today. The two architectures, as he sees them, are exemplified by the work of Frank Lloyd Wright and that of Le Corbusier, and he said that the client must decide which architecture is for him. Wright, he said, visions Broadacres Cities, while Corbusier is more interested in skyscraper apartments and the like, characterized by classicism. Le Corbusier, he said, believes in cities, while Wright hates them and says he would have them destroyed. Wright's Taliesin West he designated as a symbol of ruins, which in the end goes back to naturalism.

By color slides, the speaker illustrated the two kinds of architecture and expressed the view that this is a day of large projects, emphasized by the fact that 113 large corporations own nearly one half of industrial wealth of our nation.

In the question-and-answer period the speaker stated that he felt the most significant fact about architecture of today is its becoming industrialized, and he added that it was regrettable that the architects have failed to control it. He mentioned that Louis Skidmore told him that his firm employed more accountants than architectural designers, which indicated the trend for architects to save their clients' money by studying their processes and items of costs. Only Johnson Wax can take a chance on the unusual, he said, while others feel they must play it safe.

DETROIT CHAPTER'S NEXT MEETING



Charles A. Blessing

Detroit's New Director of City Planning

Charles A. Blessing, A.I.A., Detroit's new director of city planning, will be the speaker at a meeting of the Detroit Chapter, American Institute of Architects following a dinner meeting in the Rackham Memorial Building Thursday evening, April 16. He will use color slides to illustrate his talk on "The Contributions of City Planning to Detroit's Future."

Blessing, formerly director of planning for Chicago was chosen for his Detroit position following an examination of nearly 40 planners from all parts of the nation. He brings a broad background of experience in architecture, engineering and city planning, having university training in three fields, at M.I.T. and the University of Colorado. His experience has been in city, state and regional planning in New Hampshire, Boston and Chicago. For the past five years he was director of planning for the City of Chicago.

Mr. Blessing is quite enthusiastic about the prospects for Detroit planning, and this should interest many in Detroit who have worked for a better-planned City.

m.s.a. 39th annual convention

How would you like a house in the Statler Ball Room? Neil Gabler and his committee built one there to open the Michigan Society of Architects' 39th Annual Convention Wednesday evening, March 11. It might have been voted the house the public liked best, but it wasn't, because it was not an architect's own house. It was for clients Mr. and Mrs. "Horace," in the persons of Norma Richards and Ernest J. Dellar, A.I.A. C. W. Ditchy, as designer St. Clair, won the commission to design and supervise—at 1%. The "house" to see the house was standing room only as Fred Schoettley MCd while George Diehl laid bricks, president Linn Smith shingled and Frank Wright plastered. In about an hour, the house was delivered, complete with landscaping, picture window with lamp, furniture and all modern inconveniences, such as electric lights.

Registration reached 411, as compared to 375 last year. President Linn Smith presided at the business session, Leo M. Bauer, past president, delivered the keynote address. Reports were heard from officers and committees, and by-laws changes were approved.

James B. Morison, as general chairman of the convention committee, and all of his sub-committees, deserve much credit, for an outstanding service in obtaining such speakers as Ben John Small on specifications, William Lescaze on architecture, and Philip N. Youtz on Lifslab. All events were well attended.

The banquet, arranged by Paul Marshall and his committee, was the crowning event. It taxed the facilities at the Statler with well over 1,000 present. President Smith again presided and presented the Society's first medal to past president Leo M. Bauer, honorary membership to sculptor Marshall Fredericks, and the public vote of first place in the architects' own house exhibit to Mr. and Mrs. Walter J. Rozycki for completely new house and Mr. and Mrs. Warren Platner for remodeling.

President Smith introduced Mr. Ivan N. Kirlin, who presented the \$1,000 prize in the Kirlin lighting competition sponsored by the Society, to David Hamilton. Adrian N. Langius did himself proud as toastmaster, and Cal Tinney kept the audience roaring with laughter.

Highlights: the ladies who added so much—71 were registered. The distinguished results of the design committee, headed by John Knapp, for colors, style and arrangement of literature, carrying through the exhibits. John N. Richards, our regional director, and Mrs. Richards. Rollin Rosser, president of Architects Society of Ohio. Telegrams from A.I.A. president Glenn Stanton, also from George J. Haas, A.I.A., formerly of Detroit, now of Miami, Fla. Good public relations—in the press, on radio and TV.

KEYNOTE ADDRESS

By Leo M. Bauer

We are gathered here for the opening meeting of this great Convention. Suffice it to say that this will be the greatest of all, considering the character of the exhibits, the speakers of prominence, and the tours which have been arranged. Is it that we architects are more needful than ever of more meetings such as this? I should say that we are come here, not necessarily for the fellowship of our colleagues, but rather for an exchange of ideas, as well as to see and to learn about the work of each other. Such exchanges make ours a contribution to ever-changing conditions, and the economics of a fast moving society. Look all about you, browse through our trade journals, magazines and newspapers, and you see a tremendous surge of advertising for methods, materials and men; as though our whole philosophy were engulfed by that field. And the pillager seems never ending. Be it a dynamic gadget, a giant machine, or a newly discovered pharmaceutical product, the accent is on its quality, and that it is necessary to our well being. The field of advertising is one of the greatest, if not the greatest of American businesses.

It is our profession which is the foundation of our advertising. Through our ingenuity we provide the form, the specter, and the intellect. Yet through it all, our profession, great though it may be, finds it difficult to obtain the recognition which is rightfully ours. Is it because humanity accepts us and our work as a matter of course, or is it because we ourselves are lacking? Humanity accepts the pyramids, the great cathedrals, and all the work of the great masters without making inquiry as to its author and origin. We are lacking. The profession should advertise, should be a publicity-seeker, and the need was never greater than now. You need not be reminded that not one-tenth of the population knows what an architect is, or what service he performs. The reason is simple. The public has not been informed either by word or by story. And we alone as architects are to blame. Yet, our profession is worthy of the greatest amount of the finest publicity.

You may recall that the Michigan Society of Architects sponsored a small homes competition last year, of which the Concrete Masonry Association of Detroit was the donor. That competition produced fifty-eight designs, the most of which were recently published in book form by the Association. The first printing was ten thousand copies, which have been sent to producers of masonry concrete units throughout the land. As a result of that competition I learn that at least three state organizations of the Concrete Masonry Association will conduct a similar competition as we had in Michigan. I

(Continued on Page 24)

hotel statler, detroit, march 11-13



Pictures show anything can happen when you start to build.

Top: Selecting the architect, and, as Norma said, "the excavation looks too deep."

*Middle: "Horace" and Mrs. help architect St. Clair supervise framing.
Architect George F. Diehl does the best bricklaying in town.*

Bottom: Frank H. Wright, A.I.A. gets plastered; final inspection is made, as architect hangs his head.

Some photos by William Bradley, some by Winn Brunner

(Continued from Page 22)

believe you will agree that this is one of the finest means of publicity the profession in Michigan has enjoyed in some years.

All of the states in the union have registration acts for the profession. Some are joint with the engineers, while others are separate statutes. In no instance can it be said that statutes are the same; made so by the composition of our legislatures, whose members are mostly from the rural areas. These legislators do not understand, nor have they been taught, that the fields of architecture and engineering are very complex and require men of the highest intellect and broad training. While we have the hope, the chance is very remote that we shall ever have a national registration act enforced alike and in the same manner by all the states. At least, such cannot come about until the great public of this nation are properly informed and educated that architects are just as necessary to society as clothing for our bodies or shelter for our protection. It seems to me that the profession, not only in Michigan, but on a national basis, must indoctrinate anew the millions of our population, so that all may know not only the desirability but the necessity of architects in their every construction operation.

I challenge this convention that the Michigan Society of Architects can well afford to take the lead in this matter of publicity and public relations. Firstly, it will mean carrying our message in a more intimate manner to those registrants of our state and to the public at large. A program has been undertaken by The American Institute of Architects at a much too late date. I say that we can ill afford to bide our time further because of the encroachment of governmental agencies and the package dealers on our profession. They all challenge our means of livelihood, and it is high time that the situation be corrected. This can be done by a program in the public school systems of our State and Nation, sponsored by architects with collaboration of the public. I say, we shall meet the challenge.

administration committee

Sol King, Chairman

Immediately after last year's convention, the Administration Committee resumed contract negotiations with Mr. Hughes, Editor of the M.S.A. Monthly Bulletin. The negotiations consumed nearly four months of valuable time and created anxiety and concern to the Board, editor and committee. In June 1952, a contract agreeable to all concerned was consummated. Since then, the committee, the Monthly Bulletin Corporation and the editor have been reviewing periodically, matters of policy pertaining to editorial content, advertisement, finance and character of the Bulletin format.

It is readily admitted, that the high caliber of the publication, we now enjoy, is due almost entirely to Mr. Hughes' ability and resolute devotion to the task of publishing the Bulletin since 1926. It is also the Committee's firm belief that the effort put forth by the board in behalf of the Bulletin during the past year, has been constructive

and in the best interests of the general membership of the Society.

Pursuant to instructions from the Board, the Administration Committee also devoted time considering very seriously the selection of a worthy candidate to receive the Society's first medal of honor. Our recommendation was unanimously adopted by the Board.

Another assignment carried out by the Committee was the drafting of four revisions to the existing by-laws. These revisions were published in the February issue of the Bulletin, received approval of the M.S.A. Board, the three chapters and the Institute, and will be offered for formal confirmation by the membership during this session.

Finally, the Committee prepared a budget in the amount of \$5,400.00 for 1953, which was submitted to and adopted by the Board.

public relations

Charles B. McGraw, Chairman

Owing to the fact that the membership of this Committee is from throughout Michigan, it has not been reasonable to hold meetings other than at regular meetings of your Board of Directors. We have depended largely on the mail to keep each other informed.

The principal project during the current year has been the study of a group life insurance plan for members of this Society and their employees.

This project has passed the preliminary stages. Members have been informed of our efforts by letters and the majority have indicated their interest and approval of such a plan. Marsh and McLennan, nationally known insurance consultants, have been engaged, without cost to the Society, to prepare a policy form, complying as nearly as possible to our own requirements, to obtain approval thereon from the State Insurance Commission, and to obtain proposals. The policy which they have tentatively worked out comes very close to what we originally suggested. Bids cannot be requested until the average age of individuals who will make up the group is known, and this we have been authorized by your Board of Directors to obtain.

Application cards will be mailed within a few days, together with an explanatory letter. Members are urged to go over this letter with their office forces, and return the application cards completely and accurately filled out. Information provided by these cards will be used first to determine the premium rate, and if the plan becomes a reality, they will become the official application cards.

It is the belief of your Committee that this will be a distinct service to the membership, regardless of other insurance they may carry, as it will provide a means of obtaining additional protection at minimum costs.

publicity

Phillip C. Haughey, Chairman

'Your Committee feels that increased ef-

fort should be expended to maintain and improve the favorable press notices which the profession has received in the last few years. Descriptive articles explaining the work of the architect and encouraging the entrance of young trainees into the profession should be prepared and submitted to publication, since the lay public is so unfamiliar with the profession and its scope.

We are gratified with the local publicity which has been made available to the press, particularly outside Detroit, and we feel that more of this type of local mention would be beneficial to the profession in general, and to the small, local practitioner in particular.

Your committee is proud of the format and contents of the Monthly Bulletin of the Society. We believe it to be one of the outstanding publications of any branch of the Institute, and we recommend the continuance of activities which have made it prosper, and the encouragement of policies which will allow the Bulletin to increase its circulation, particularly to non-architects. We would also encourage steps which would tend to allow the Bulletin to increase its effectiveness, and eventually its financial return to the Society.

We endorse and favor continuing the services of the Special Representative. His past activities in watching legislation, in meeting and conferring with Society members in their own offices, and in writing and gaining publication of innumerable news stories, articles, and notices concerning the profession; all these activities have helped to produce a cohesion and a feeling of unity such as has never been possible before. We would like to see his activities extended to provide for outstate the same coverage which has been available in Detroit. We feel that publicity immediately preceding and following local chapter meetings should be comparatively easy to secure, and should be newsworthy.

In addition to continuing the current program as outlined in the foregoing, we recommend:

1. That the booklet, 'Organizing To Build' be kept up to date, and that periodical reminders of its' availability be made known to membership and the building industry.
2. That a similar booklet be devised for distribution to contractors. This booklet would also outline the services of the architect, but would lay especial stress and emphasis on the desire of the architect to work with the contractor, and on the architect's unique contribution in analysis and design, in the production of better buildings.
3. That further study be given to the possibility of the production of a 16mm motion picture or a film strip which would explain the profession of architecture to the layman. We believe it would be possible to find a donor for such a film, so it could be produced at no expense to the Society. Such a film would be made available for schools, clubs, radio and television fillers.

It is obvious that even current activities

of the Society cannot be maintained indefinitely without a substantial increase in the revenue of the Society. Extension of activity is out of the question unless our financial picture improves. Last year our dues of \$3.00 per member produced only \$1,685 of income, which was roughly 1/7 of our expenditure for the year. In order to bring in more revenue so that current activities can be continued and new ones developed, we have made definite recommendations which your Board has under consideration.

by-laws

By-laws changes approved at 39th Convention March 12, 1953.

Article 1. Section 3. Honorary Membership. Strike out "from among the active members."

Article 7. Section 4. Heading of "List of Members" to be changed to "Member Emeritus"—this Section to read:

An architect who has been an active or non-resident member in good standing of the Society for not less than fifteen years and either has attained the age of seventy years or is incapacitated and unable to engage in any vocation may be exempt from the payment of annual Society dues upon action by the Board of Directors. Under exceptional conditions the requirement of the period of good-standing may be lessened but no other requirement.

A member Emeritus shall be elected for life and shall have the same rights and privileges of active members but his local chapter shall not assess or collect from him the portion of the local dues which are to be levied for the use of the Society.

Article 1. Section 4. to become Section 5 and Section 5 to become Section 6.

NOTE: Proposed changes to by-laws as published in the February issue of the Bulletin were also approved.

bauer citation

The Michigan Society of Architects Medal recognizes your magnificent and selfless contributions to the architectural profession. Through your efforts and by your leadership the profession has gained stature and strength far beyond the realm of your immediate influence. Your awareness of the problems confronting the profession, your willingness to reach for their solution for the general welfare of your fellow architect without regard for personal welfare or personal sacrifice, your tireless efforts on behalf of your profession and zealous desire to be of service to it have endeared you to all people. It is for these contributions and many more that this award is made.

bauer response

I am pleased beyond all words of expression for the citation and the medal which have been awarded by the Board of Directors, and tendered to me on this occasion.

My appreciation of this honor is unbounded. I know that there are others within the profession in Michigan who are far more deserving of such recognition than I am. With all my being I extend to you, the members of the Board, and to each member of the Society, my profound gratitude. I can never forget my association with each of you, and I assure you that I shall cherish these exaltations as long as I live.

to marshall fredericks

The Michigan Society of Architects in electing you Marshall Fredericks an honorary member recognizes your efforts to weld architecture and the allied arts, particularly sculpture, into a cohesive force with esthetic meaning transcending that possible of achievement by their separate entities. Your work and your philosophy are an inspiration, you have enriched our culture and broadened our horizons, you have raised the level of our endeavors to make the world a better place in which to live. We are privileged to elect you to this Honorary Membership and in such action are ourselves honored.

kirlin competition

David Hamilton, a designer of 1516 Vinewood Ave., Detroit, was winner of the \$1,000 prize in the Kirlin Lighting competition, sponsored by the Michigan Society of Architects, it is announced by Ralph W. Hammett, Society secretary and professional advisor for the competition. Engineer Frederick L. Lantz of 1210 Maywood Drive, Royal Oak, collaborated.

The jury consisted of Detroit illuminating engineers Jay W. Snyder and George Wagshall, and architects Jean Hebrard of Ann Arbor, W. David Riddle of Nela Park, Cleveland, Ohio and Frederick G. Stickel of the Victor Gruen office in Detroit.

The competition was for a lighting scheme for the new Convention Hall to be built in Detroit's Civic Center, for which Giffels & Vallet, Inc., L. Rossetti Associated Engineers, and Architects are the designers.

The jury reported that the winning design contemplated a scheme that was "perfectly practical and made use of the best possibilities of the architects' design, with lighting sources well distributed as to vertical, horizontal and accent lighting."

Louis Rossetti of the architects' firm stated that the Hamilton scheme was a distinct contribution to the Convention Hall project.

The award was made at the Building Industry Banquet, closing event of the Society's 39th annual convention at Hotel Staler in Detroit Friday evening (March 13, 1953), by Ivan Kirlin representing the Kirlin Company, donors.

exhibitors

Century Brick Company; Valley Metal Products Company, c/o Cadillac Glass Company; Price Brothers Company, Cinder Block Inc. and Peerless Cement Corporation, Detroit Steel Products Company,

U. S. Plywood Corporation, Built-In Equipment Company, Home Moderne, 3112 Woodward, Thomas Brick & Tile Company, Electro-Silva-King, c/o Hemphill & Co., International Venetian Blind Company, Hunter Douglas Corporation, Oglesby Equipment Company, Pontiac Millwork Company, Porter-Hadley Company, J. L. Hudson Company, R. C. Mahon Company, Earle Equipment Company, Peterson Window Corp., Crawford Door Sales Company, Keweenaw Manufacturing Company, Kimble-Glass Company, Brisk Waterproofing Company, Robbie Robinson Company, Detroit Rolling Door Company, John A. Mercier Brick Company, Kimball and Wilson, Inc., Timber Structures, Inc., Kirlin Company.

The following were sponsors for cocktail parties:

Producers' Council, R. V. Harty Company, Robert Eisen Company, William Kirby, Eastern Cabinet Works; B. F. Farnell Company.

education and research

RALPH W. HAMMETT, CHAIRMAN

Several of the activities of this committee were reviewed by our past President in his "Keynote Speech" delivered at this meeting only a few moments ago. Of note was the Concrete Products Small House competition, prizes for which were given by the Concrete Masonry Association. The drawings were displayed at Grand Hotel during the summer conference on Mackinac Island, and drew much favorable comment. It was a very successful competition.

The Harlan Scholarship for \$5,000 for research in industrial architecture is being held by Mr. W. Kent Cooper who was awarded this scholarship last year. He is in residence at Cranbrook Academy and reports to the professional advisor by means of conferences and bi-monthly letters. He seems to be making very good use of his time. He expects to finish his research in the near future and to start preparing his final report which he hopes to finish in August.

The Kirlin Competition for lighting Detroit's proposed Convention Hall was held during these past four months and the \$1,000 prize was won by David Hamilton, Architectural Designer, 1516 Vinewood Avenue, Detroit, assisted by Frederick Lantz, Illuminating Engineer, 1210 Maywood Avenue, Royal Oak, Michigan. This prize drawing is now on display in the foyer of the Ball Room and the prize money will be presented to the winners by Mr. Kirlin at the Building Industries Banquet tomorrow evening.

"Building Code Study" is one of the activities of this committee, so when Mr. Joseph Wolff, Detroit's Building Commissioner set up a Building Code Study Commission to revise Detroit's Building Code, Sol King, representing the M.S.A. was placed on this committee. This group is made up of representatives of all interested building alliances; i. e. architects, engineers, contractors, builders, labor

(Continued on Page 28)

seen at convention



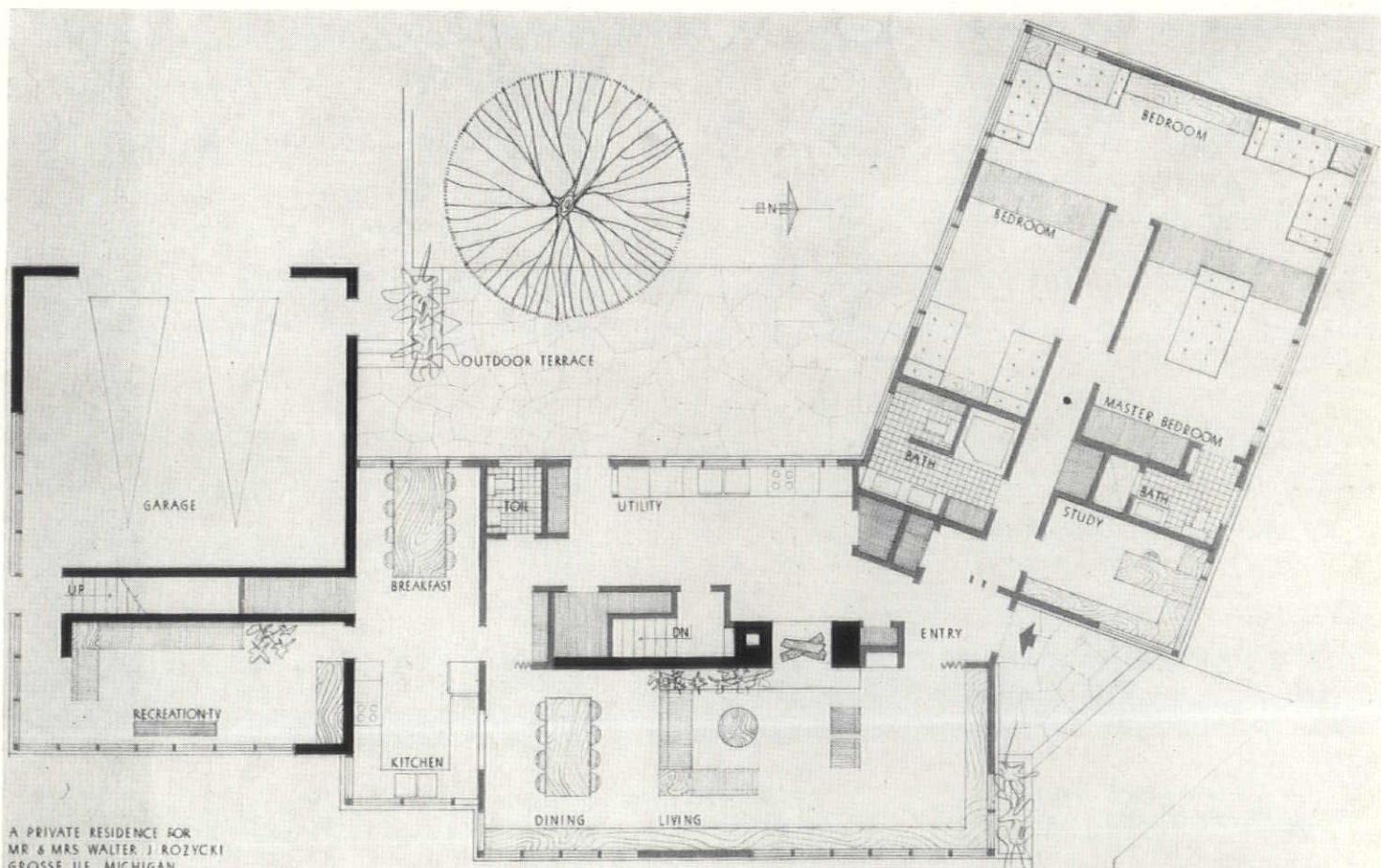
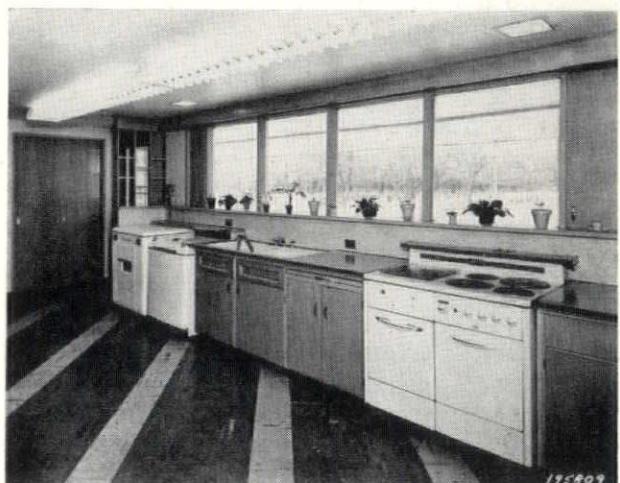
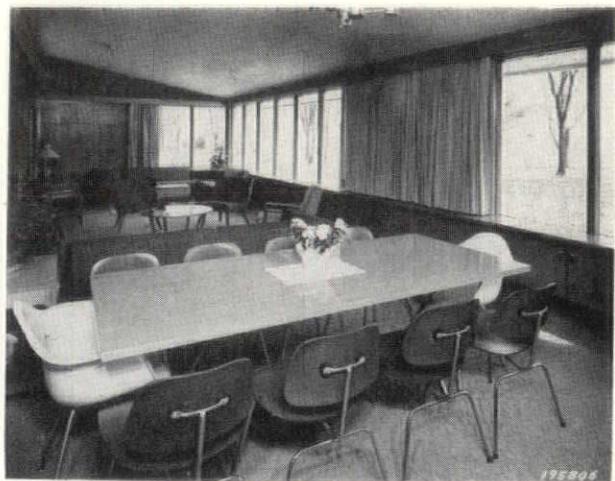
Top Row: Ben John Small, and two pictures of Phillip N. Youtz.

Middle Ladies at Fashion Show; Secretary Ralph W. Hammett, Pres. Linn Smith, Keynoter Leo M. Bauer.

Bottom From Ohio - E. B. Stapleford; Carl Domino of Williams Pivot Sash, and Rollin Rosser, President of Architects Society of Ohio; "Balcony Bill," William Lescaze.

Photos by Bradley

house liked best by the public



A PRIVATE RESIDENCE FOR
MR & MRS WALTER J. ROZYCKI
GROSSE ILE, MICHIGAN

WALTER J. ROZYCKI, AIA, ARCHITECT

FLOOR PLAN 1/4

(Continued from Page 25)

unions etc. The commission started about two months ago by meeting bi-weekly on Monday afternoons at the Rackham Building in Detroit to review the B.O.C.A. Code.

Recently a special sub-committee, known as the Format Committee, has been formed and is meeting on the alternate Monday afternoons for study as to whether to adopt B.O.C.A. by reference as-is, or to write a new code. This format committee, of which Sol King is also a member, is under the chairmanship of Joseph Lienwebber, who is representing the Detroit Chapter of the A.I.A. Mr. King reports that the committee has found that in order to make recommendations that are worthy, they must make a detailed study; and, such a study will take months maybe a year.

However the profession is being recognized and is being very worthily represented by Messrs King and Lienwebber.

Last year, when I made my report for this committee, I asked for cooperation of and between the committees of Education and Research of the three chapters of the Institute. However, during the year no matters have been presented by those bodies; therefore, it is assumed that the majority at least are satisfied with education and research out through the state among architects, as well as in our architectural schools. But the invitation is still open, so if there is any one, or any committee that thinks it has a problem pertaining to education and research, let us know. We'll try to do something about it.

treasurer's report

By ELMER J. MANSON

During 1952 the treasurer, Mr. Blair, disbursed \$18,000. for the Society. Of this \$11,600 was the general and special legislative funds of the Society. The balance was for the several scholarships and competitions directed by the Society. The annual convention is handled under a separate account.

In general this reflects the increased activities of the Society under the progressive leadership of the former officers. The membership has indicated its approval of the new order. As an individual, I add my voice to the shouts of acclaim.

As Treasurer, I must call attention to the figures in the Society's Records. In 1952 the major receipts of the Society were:

A. Dues	\$1,600.00
B. Bulletin	1,000.00
C. Convention	1,900.00
D. Miscellaneous	700.00
Total	\$5,200.00

The expenditures for General and Legislative Funds were \$11,600. (Receipts for Legislative fund were \$2,532.00.)

Obviously this cannot continue without additional income or deficit financing, which is frowned on even in Washington under the current administration.

The present funds will carry our program for the balance of this year, but by January of 1954 the income of the Society should be nearly doubled, if the present high quality activities are to be continued.

registrants at convention

members (171)

Henry J. Abrams, A. Arnold Agree, Chas. N. Agree, Roger Allen, Werner B. Anderson, Lyall Askew.

Harry Baines, Leo M. Bauer, Harry G. Beckwith, Mossie Belco, L. Robert Blakeslee, Stanley R. Bragg, H. Sanborn Brown, Paul B. Brown, Paul A. Brysselbou, D. S. Budzynski, Sr.

Rober A. Chiumino, A. B. Chanel, Louis Chesnow, Erroll R. Clark, F. Huson Colvin, Arthur R. Cook, W. Glasson Coombe, Wm. C. Coon, Julian R. Cowin, Cyril F. Cox, John K. Cross.

Gerald G. Diehl, Geo. F. Diehl, J. Ivan Dise, Clair W. Ditchy, Waler M. Dole.

Harold Ehlert, T. Neel Eubank, Richard B. Fernbach, Don M. Fishbeck, Jr., Homer A. Fowler, Joseph N. French, Lynn W. Fry, Fred M. Fuger, Cornelius L. T. Gabler, Robert J. Glynn, Nathaniel O. Gould, Donald M. Grant, Ernest Greenberg, Frank L. Greer, Werner Guenther.

Carl R. Habermas, Ralph W. Hammett, Maurice E. Hammond, Harry J. Harman, F. S. Hassan, Phillip Haughey, Herbert Hawthorn, Paul Hazelton, Thomas H. Hewlett, Robert A. Huddleston, James B. Hughes, Talmage C. Hughes.

Morris Jackson, Gilbert J. P. Jacques, T. R. Jahr, John J. Kallmes, John Kasurin, Otto H. Kavieff, Sol King, Stewart S. Kissinger, John Knapp, Ralph W. Knuth, Walter E. Kloske, Alex Kohner.

Edward H. Laird, A. N. Langius, Russell H. Lee, Ron E. Lilly, William P. Lindhout, James R. Livingston, Robert J. Lowney, Claus D. Lundblad.

Ray L. McCalpin, George M. McConkey, Chas. B. McGrew, William F. Mackinen, Milton C. Major, Elmer J. Manson, Carl B. Marr, W. V. Marshall, Arthur H. Messing, Earl G. Meyer, Frank Montana, Jack Moneth, James B. Morison, Thomas W. Moss, Gusav Muth.

David Nesmour, Edward M. Newman, Edwin F. Noth, S. A. Nurmi.

C. A. Obryon, William H. O'Dell, Charles V. Opydyke, Shirley L. Owens.

Louis F. Pacheco, C. William Palmer, Chas. Parise, Earl W. Pellerin, Ray C. Perkins, Leo I. Perry, Milton W. Pettibone, Mrs. Suren Pilafian, Suren Pilafian, Harold E. Pine, Kenneth R. Plank.

J. R. Radford, Viner A. Rantanen, Louis G. Redstone, John N. Richards, Richard M. Robinson, T. Rogvoy, Clarence H. Rosa, E. G. Rosella, Rollin L. Rosser, Henry W. Ruifrok, J. Leonard Ruth.

Walter Sanders, Arthur Schmidt, Frederick J. Schoettley, Lee Schowalter, George Schulz, John Schurman, Gordon A. Sheill, Verne H. Sidnam, C. A. Sirrine, Eberle M. Smith, Linn Smith, Richard G. Snyder, George W. Sommers, James A. Spence, George Sprau, Stephen J. Sachowiak, J.

H. Gustav Seffens, Chris Steketee, Malcolm R. Stirton.

Peter Tarapata, Berj Tashjian, Howell Taylor, Fred Thompson, J. C. Thornton, Daniel L. Treacy.

Peter Vander Laan, H. W. Van Dongen, Dirk Van Reyendam, V. L. Venman, Charles J. Vogel.

Neil E. Warren, Morris Webster, F. W. Wiedmaier, Albert E. Williams, David H. Williams, Jr., Barton D. Wood, Urban V. Woodhouse, Frank H. Wright, Walter H. Wyeth, George G. Zannoth, Arthur J. Zimmerman.

producers (22)

H. M. Armstrong, Jay F. Simpson, Lew Briscoe, Don Roe, Russ Collins, W. A. Cory, John F. Finn, H. E. Fritzam, A. T. Johnson, Rober J. Cherry, William C. Kreske, Tom Moore, Fred Muller, Clyde T. Oakley, Wm. E. Ogden, Louis T. Ollesheimer, Donald T. Ollesheimer, John N. Ockun, Frank G. Sander, Dale Zimmerman, Edward F. Wallich, Fred Warnke.

exhibitors (96)

N. J. Bach, Bill Beeby, Robert E. Beerbower, Walter J. Berd, M. F. Bird, C. S. Brisk, D. H. Brown, Robert G. Beatty, Ed Grabowski, Noble F. Carr, Sam Burtman, Ralph Colorado, Lynn G. Stedman, Jr., Bruce E. Crissman.

Jim Taylor, Edward J. Dixon, Don Dodman, W. S. Downes, Robert A. Eisen, Bud Jarvis, Cliff Eeuwema, B. F. Farnell, Frank C. Stewart, Charles Johnson, John Fehily, Richard Forbush, Guy W. Garwood, Jr., R. L. Hancock, Wm. Hilderley, Al Hann, Dewey Hoel, Orr Op't Holt, Dick Hoppe.

Harry Ludwig, Claude McCommon, Peter E. Biglin, Henry W. DeRose, M. Jursik, William C. Lantz, Harvey F. Robinson W. Park, Jr., M. E. Ilten, C. R. Critchfield, D. E. Kemeny, Clarence Kimball, Alfred A. Moor.

J. J. Scheerens, Seymour King, Bob Lopker, George D. Lyle, John W. McCarroll, R. B. McWebb, Walt Scott, P. R. Marshall, C. F. Meier, Harry Millard, Paul Bertram, Marvin E. Murphy, Frank North, Joseph Nuzzo, James Parker, Ned Garrard, Vita Perfino, Jr., Neil Burchfield, Sam Fettes, Louis B. Kolb, Charles Shrank, Bob McKinley.

Michael Polizzi, Allen R. Quirk, C. S. Rawlings, Bobbie Robinson, Harold D. Russell, W. G. Sandrock, A. W. Sittig, T. John Skiffington, Robert Z. Snook, Gaylord M. Speaker, F. W. Teninty, Ray Thomas, Gerry Trembley.

Len Underhill, F. S. Underkoller, Don F. McVey, Al Gould, Herbert J. Vincent, Warren E. Weiricy, West Detroit Glass Company: R. H. Hoxie, Frank J. Wummel.

guests - ladies (71)

Mesdames Anne Abrams, Roger Allen, H. M. Armstrong, L. Robert Blakeslee, Mabel M. Bragg, H. Sanborn Brown, Helen Brysselbou, Keisha Carter, Erroll Clark, Russ Collins, Virginia Coombe, Helen

W. Cox, George Diehl, Clair W. Ditchy, Bessie M. Dole, Fred W. Fuger, Betty J. Fuymoski, C. L. T. Gabler, Margaret Gould, Ralph W. Hamett, H. J. Harman, Barbara Hawthorne, Paul Hazelton, Margaret Hughes, Thurston Jahr, Henry J. Keough, Mary Lee Kloske, John Knapp, Ralph Knuth, Alex Kohner, Adrian N. Langius, William P. Lindhout, Geo. M. McConkey, Elmer J. Manson, Earl G. Meyer, Frank Montana, J. B. Morison, Lucile Moss, W. F. Mulcahy, Hinda Nesmour, John L. Niles, E. F. Noth, Mabel Oakley, Wm. Ogden, Louis T. Ollesheimer, Charles V. Opdyke, Marjorie L. Page, A. E. Patzke, J. R. Radford, Louis Redstone, John N. Richards, Adeline M. Rozycki, Grace L. Ruifrok, J. Leonard Rush, Arthur Schmidt, Frederick J. Schoettley, Margarita Seckinger, G. A. Sheill, Ebbele M. Smith, Linn Smith, Rose B. Smith, Ruth Spalding, James Spence, Geo. W. Sprau, R. Svoboda, Virginia P. Stirtton, Mildred B. Tashjian, Howell Taylor, Peter Vander Laan, Merle C. Weaver, David H. Williams, Jr., Barton D. Wood.

guests - men (51)

E. Dennis Arwood, Bruce Bigham, William Bradley, Marvin J. Brokaw, E. J. Brunner, William T. Carter, Jr., Willard G. Caswell, Pat Ccoley, Glenn Dailey, Ralph J. Dingle, Bernard K. Drane, H. F. Fetters, Claude W. Filer, Marshall Fredericks, Carl J. Freiwald, Peter J. Futymoski, Alvin H. Giese, C. W. Gudnau, George A. Heenan, Clarence F. Jakee.

William L. James, Harry S. King, Henry Kodan, Winston F. Lancaster, Samuel C. Laux, Wm. Lescaze, W. L. McClurg, Jr., John L. McGarrigle, Donald J. McKinley, E. E. Majka, Herman F. Marsh, Rex E. Marshall, William E. Martin, Donald A. Maw, W. F. Mulcahy, Robert F. Murphy, Warner Ohman, Ted Pilz, Roy Perilloux, E. Plank, Robert A. Pullar, Thomas Reed, R. A. Rousseau, T. G. Seemeyer, Jr., Ben John Small, David B. Spalding, E. B. Stapleford, Theron H. Tison, Joseph S. E. Waisanen, Donald F. Wright, Philip N. Youtz.

The Michigan State Board of Registration for Architects, Professional Engineers and Land Surveyors announces that the next examinations will be held by the Board on June 9-13, 1953. Examinations will be held at the Rackham Memorial Building in Detroit; the University of Michigan, Ann Arbor; Michigan State College, East Lansing; Michigan College of Mines, Houghton; Adult Education Center, Jackson; Central High School, Bay City, and at the U. of M. Extension Center in Grand Rapids.

Architect members of the Board are Wells I. Bennett, F.A.I.A., Robert B. Frantz, F.A.I.A., and Talmage C. Hughes, F.A.I.A.

Applications must be in the State Board office, 705 Cadillac Square Bldg., Detroit by May 1, 1953.

The College of Architecture and Design, University of Michigan, announces that the George G. Booth Traveling Fellowship in Architecture will be offered again this year. Upon request applicants will be issued a form to be completed and returned not later than May 15, 1953. This competition is open to all graduates of the school who have not reached their thirtieth birthday on the date mentioned above. Prospective candidates should write at once to the Office of the College of Architecture and Design, 207 Architecture Building, Ann Arbor, Michigan.

Charles M. Valentine, A.I.A. has moved his architectural office from St. Clair, Mich. to 1320 Michigan Blvd., Marysville, Mich. The new telephone number is Pt. Huron 2-9561.

Valentine, who was educated at the University of Michigan, worked in various Detroit architects' offices until 1943 when he entered his own practice. He received the U. S. Navy's meritorious civilian award for his work at the Norfolk Naval base during World War II.

conventional

Now that the convention is over
And the speeches have been made
And old Joe and Bill have had their
their thrill
And hotel bills have been paid;
And all the wily exhibitors at the
close of day,
Have folded their tents like the Arabs
And silently stolen away;
The architects have gone back to
their studies
To design some new buildings, we
hope,
We know they'll come up with the
answer,
For they took home lots of dope;
It seemed good to see the old Timers
Like Chris Steketee and Roge Allen
too
Bill Palmer, Clair Ditchy and Chas.
Agree
And Gabler who put on the show;
Many more I could name in these
verses,
Who to the convention did come,
But Tal Hughes is waiting for copy,
And my fingers are getting quite
numb;
But it was a bonanza convention,
I'm sure everyone will agree,
The committees be praised, and their
salaries raised;
It sure was a grand jubilee.
—Bill Cory.

Robert B. Frantz, F.A.I.A. and Mrs. Frantz, of Saginaw, have sailed for Europe, where they will be until June.

They are traveling with Mr. and Mrs. Dean Acheson. Mrs. Frantz and Mrs. Acheson are sisters.

Mounts submitted in the architects own home exhibit at the Society's 39th annual convention can be picked up at the Bulletin office.

Tennessee Valley Authority wants experienced architects for specification and design work on broad program of hydro and steam power plant buildings. Salaries start at \$4450 and \$5325 for 40 hour week. All jobs carry automatic within-grade increases for satisfactory service. Liberal vacation leave, sick leave, and retirement benefits. Location of work is Knoxville, Tennessee. Write the Tennessee Valley Authority Division of Personnel Knoxville, Tennessee

WANTED—Experienced architectural draftsman. Steady employment. Apartment or house available. Address replies to Alden B. Dow, Architect, 315 Post Street, Midland, Michigan.

products news



SHADE SCREENS ON THREE RIVERS HOS

concrete conference

Sol King, AIA, member of the firm of Albert Kahn Associated Architects and Engineers, Inc., will preside at the closing session of the Fifth Annual Concrete Conference to be held in Ann Arbor on April 14 and 15. The conference will be a joint presentation of the Portland Cement Association and the University of Michigan.

Louis P. Corbetta, of the nationally known Corbetta Construction Company, will be the principal speaker. His talk "Economy of Precast Concrete" will point out a developing trend toward the precasting of structural concrete members in order to gain cost advantages. A background of 30 years of specialization in structures predominantly of concrete emphasizes the soundness of his views. "Precasting Methods" will be illustrated by E. B. Oberly, Construction Consultant, Portland Cement Association.

Cornelius L. T. Gabler, AIA, Detroit, will conduct a field trip to the new North Campus of the University for a viewing of the precast concrete construction under way there. This will follow a discussion of the main papers under the leadership of R. F. Brennan of W. E. Wood Co., Detroit contractor.

Also scheduled for the Wednesday afternoon session, under Mr. King's guidance, is a presentation by Alfred L. Parme, Structural Analyst, Portland Cement Association, outlining the adaptability of thin concrete shells for long-span roofs. Mr. Parme recently completed work on the American Society of Civil Engineers manual on this subject. Discussion of his paper will be opened by Leo V. Garrity, Asst. General Superintendent, Department of Water Supply, Detroit, who is in charge of the design of such a roof on the Northeast Station project presently under development.

Stanton Walker, Director of Engineering, National Sand and Gravel Association, and D. W. Lewis, Research Engineer, Indiana Joint Highway Research Project, will present the principal papers during the opening conference session Tuesday morning. They will emphasize methods of improving qualities of concrete aggregates.

The Tuesday afternoon schedule includes E. C. Wenger, Manager of the Conservation Bureau, Portland

Cement Association, who will single out practices which will help secure concrete projects of greater service life. Also scheduled is John D. Bolton, Evanston, Illinois, contractor, who will stress the importance of selecting the proper method for repairing portions of damaged concrete structures.

A progress report on prestressed concrete on Wednesday morning will feature Jean Muller, head designer of Freyssinet Company, New York, one of the world's leading pre-stressing contractors. He will summarize current practices in this rapidly growing field of structural concrete.

At a luncheon meeting, L. A. Rubin, secretary of the Mackinac Bridge Authority, will disclose details of the planning and financing of the five-mile span proposed for construction in the near future.

The Contracting Plasterers' Association of Detroit is now located in new and larger quarters at 611-12 Park Avenue Building, corner Adams Ave.

This association, a non profit corporation, has been operating continuously since 1917 under its present charter.

During this 35-year period the association has made every effort to cooperate fully with the Michigan Society of Architects to furnish the best in lathing and plastering for Detroit's public buildings, schools, churches and commercial developments. And, according to Field Secretary John Gray says, "We pledge our membership to continue this pleasant and friendly relationship for our mutual benefit."

Mulcahy & Collins, manufacturers representatives of several nationally known lines of plumbing materials, and their associate, R. M. Ackerman of Grand Rapids, were recently appointed Michigan representatives of the Cash-Acme line. The line has been manufactured by the A. W. Cash Valve Manufacturing Company of Decatur, Illinois, for about thirty years, and their products cover a complete and diversified line of pressure-reducing and regulating valves, strainers, hot water heat controls and relief valves used by the plumbing and heating industry. In addition, they manufacture a number of items that are being used by several local manufacturers in connection with the government defense program.

Herbert Vincent of Cinder Block, Inc. Detroit, was elected for a five-year term to the Board of Directors of the National Concrete Masonry Association at its 33rd annual convention held in Cleveland, Ohio, where 4,700 registered. Vincent also has been elected secretary of the Concrete Products Association of Michigan.

Patient comfort was greatly improved in the Three Rivers Hospital by the use of shade screens in the lower sash of the Aluminum Combination Windows. Temperature tests established a light-degree reduction in heat. Visibility was not appreciably impaired. Maintenance is expected to be reduced to a minimum. The hospital is now installing Kaufman shade screen panels for glass block walls in the operating rooms. It is anticipated that they will have the same beneficial results of reducing room temperature.

For many years we have enjoyed serving you in matters arising from problems of electric service and lighting.

Through these years, Art Molitor represented our Company in rendering any assistance possible. His loss was very untimely.

To carry on and further the enviable relationships we have enjoyed, Mr. Frank E. North, formerly assistant to Art, has now taken over.

As soon as time permits he will call on you personally to either make or renew your acquaintance.

Frank is anxious to serve you to the fullest extent of his ability and time. Please feel free to call him for any of your electric service requirements.—Detroit Edison Co.

Karl Foster of Flint has been elected president of the Michigan Chapter, Associated General Contractors of America, and Morse Heineman of Saginaw, vice-president, Henry A. Reniger of Lansing was re-elected treasurer, and George W. Combs, of Lansing was continued a secretary-manager. To serve on the board of directors the coming year are Walter Love of Flint, Peter J. Elzinga of Holland, Marshall Hungerford of Jackson, Max Pearce of Grand Rapids, and Heineman. Continuing on the board are Curt E. Bottom, Ann Arbor; Harry L. Conrad, Lansing; and Cameron L. Davis, Kalamazoo. Ralph A. MacMullan, secretary-manager of Detroit Chapter, A.G.C., was appointed to the advisory board.

The Marietta Concrete Corporation, Marietta, Ohio, one of the country's leading producers of precast concrete products, announced the incorporation of The Marietta Concrete Corporation of Florida. The new plant will be located at Hollywood, Florida. F. L. Christy, president of The Marietta Concrete Corporation, will head the new Florida firm.

The plant will manufacture mortarless concrete block, precast concrete wall panels and farm and industrial silos. The design plans have been completed by Overend & Boucher, architects, of Wichita, Kansas, in cooperation with Marietta Concrete Corp. engineers, and construction is expected to start immediately.

western michigan chapter

Architects of the State were pledged co-operation in future legislation problems or revisions to the Registration Act at a meeting of the Western Michigan Chapter A.I.A. at Lansing, March 23.

The dinner meeting at Lansing's Skyway Cafe, Senator Green and Representative Betts addressed 22 architects and 28 guests attending. Senator Green affirmed that the legislature in general is willing to help the profession to perfect the Registration Act where needed. Representative Betts presented the developments of the new State buildings from their inceptions to date and stressed the still-present need for further expansion. He would favor an income tax for these buildings but would disapprove a sales tax. He also pointed out that the franchise tax will provide 22 million dollars and will keep the State schools operating. President Vanderlaan introduced Dale Sheets and John Gadell from the Aetna Insurance Co. who presented a color film on the hazards of building. The film also emphasized safety measures that can easily be adopted in scaffold construction, open-stair protections, ladders, etc. that will bring about greater workmen safety on building jobs. An introduction of new members and guests followed the film. President Vanderlaan gave a clear and entertaining thumb-nail sketch of the 39th Annual Convention in Detroit with some warm asides that made his de-

scription the more amusing.

Secretary Snyder's list indicated the following attended: Florence Dyer, Anna Peters, Robert Siefert, Stan Simpson, Edmund Meles, R. W. Danielson, R. W. Smith, Charles Opdyke, Adrian Langius, Elmer Manson, John P. Parker, Harold Howe, Neil Williams, Howard De Wolf, Art Zimmerman, Neil Smull, Clark Harris, Dale Sheets, Clark Ackley, E. K. Fitzgerald, and R. G. Snyder all of Lansing. Those from Grand Rapids: Ben Rine, Paul Flanagan, Carl Creek, A. Murray Black, John H. Burgess, Gordon G. Belson, Robert B. Cain, Charles Black, Ruard Vanderploeg, C. N. Williams. From Kalamazoo: Peter Vanderlaan, Terrence Bennett, Richard Prince, Herman Pratt, Kenneth Bartholomew, H. Futymski. From Traverse City: Karl Krauss. From Benton Harbor: Craig Niephaus and H. Van Dongen. From Jackson: R. I. Olson and Carl Kressback. From Holland: Alwin Kolm. From Ionia: Douglas Welch.

E. Harry Magnuson, A.I.A. of 201 Montgomery Bldg., Muskegon, Mich., has transferred his membership in The American Institute of Architects from the Detroit Chapter to the Western Michigan Chapter.

Magnuson, received his professional education at the Art Institute in Chicago and at the University of Southern California. He became registered to practice architecture in Michigan in 1945 and entered his own practice the same year.

saginaw valley chapter

Plans were formed at the Saginaw Valley Chapter meeting on Tuesday, March 10th, enabling the associate members of the Chapter to plan future meetings so their "beginning-architect" needs may have the considered experience of the corporate members. It was suggested by President Brysselbout that the younger men of the Chapter may have problems that can be solved through active discussions at Chapter meetings. At this Bancroft Hotel dinner-meeting in Saginaw, it was brought out that of the thirty-one members, ten are recently elected associates. Thus the planning of meetings by these associates will prove good experience for them.

George Hawes presented his treasurer's report. After the reading of a letter from the executive secretary of the M. S. A., a discussion on payment of dues to the National, State, and Chapter ensued; this brought up rules of suspension and many misapprehensions on these matters were cleared. The president read the proposed changes to the by-laws to be voted on at the M. S. A. Convention, which were approved.

Peter Franz reminded the members that the Saginaw Valley edition of the Monthly Bulletin is scheduled for May and that deadline for photographs is near. This was stressed as a most important part

of the Chapter's agenda and each member was urged to be represented in the May issue of the Bulletin.

Robert Gazall of Flint was elected to associate membership.

It was suggested that refresher course might be provided for those preparing to take their State board examinations. This idea will be further discussed and acted upon at one of the associate-planned meetings.

Glenn Beach arrived from a lecture stint to present the latest developments and accomplishments that the A.I.A.-A.G.C. committees have framed. He outlined the brochure to be mailed to the members of both organizations and how it will streamline specifications for all concerned. The members decided to wait arrival of the outlines, look them over, invite an A.G.C. representative to a meeting and then publish their reactions. The meeting adjourned at 10 p. m. with plans to hold the next Saginaw Valley meeting in Flint.

The following were present: Jim Spence, Harry Cummings, Ralph Knuth, Robert S. Mengel, Peter Frantz, Jackson B. Hallett, John Mackenzie, Vincent T. Boyle, Richard E. Gustafson, Frederick Wigen, Paul A. Brysselbout, George Hawes, Cliff Gibbs, Robert Gazall, and Harvey Allison.

specification outline

As developed by The Michigan Joint Cooperative AGC-AIA Committee, sponsored by The Western Michigan Chapter, A.I.A.; The Saginaw Valley Chapter, A.I.A., and The Michigan Chapter, A.G.C..

ACKNOWLEDGMENT

The Committee desires to express appreciation for the sincere criticism and counsel presented by a number of interested persons outside of the committee membership.

The gratitude of the committee is expressed to all of the Michigan Architects and Contractors who have aided in this work. Our particular thanks are expressed to the following, whose advice and counsel have been invaluable:

Elmer Manson, President, Western Michigan Chapter, A.I.A. (1951-52)
John Thornton, Michigan Society of Architects
James A. Spence, President, Saginaw Valley Chapter, A.I.A. (1952)
Adrian N. Langius, Vice-President, Michigan Society of Architects (1952)
Ralph O. Dunn, President, Michigan Chapter, AGC (1952)
Harry L. Conrad, Member, Executive Committee, Michigan Chapter, AGC
John W. Armstrong, Chairman, Committee on Relations to Architects, Detroit Chapter, AGC
Frank Herlihy, Member, Michigan Chapter, AGC
Boyd Armiger, Member, Detroit Chapter, AGC

Help in coordinating the efforts of the Committee has been obtained from the following Architects' and Contractors' representatives:

Talmage Hughes, Executive Secretary, Michigan Society of Architects
Ralph A. MacMullan, Secretary-Manager, Detroit Chapter, AGC

Inquiries regarding this subject matter may be addressed to Mr. Elmer Manson, Manson and Carver, 517 N. Washington Ave., Lansing, Michigan, or Mr. George W. Combs, Michigan Chapter, AGC, 127 N. Cedar St., Lansing, Michigan. Constructive comments and criticisms will be sincerely appreciated.

INTENT

The purpose of this outline is to provide a standard form of Architects' General Specifications, the use of which will be of mutual advantage to Architects and Contractors.

The Committee has set up certain general divisions in accord with customary trade usage. Within each of these Divisions numbered sub-headings are listed to cover the principal items of labor and materials commonly encountered.

The Committee has not attempted to write a sample specification, and detailed clauses have been avoided. Some departures from this rule are to be noted in the **bold type** remarks, and in the attached appendices on temporary heating and temporary electrical work.

Standardized Division headings are intended to be used for all Architects both as an index and for the body of specifications. **Divisions not required in a specification should be listed in the index with a notation "Not used."** In this manner the numbers of all divisions will remain constant, for example, Concrete Work will always be Number 7; Millwork will always be Number 24, etc.

It is the hope of the Committee that this outline will be of considerable assistance to specification writers, job superintendents and other employees of the Architect. It should also be of great assistance to Contractors' and Sub-Contractors' organizations.

The Committee recognizes that the content of specification clauses is the responsibility of the specification writer, but standardization of form should be of direct benefit to Architect, Contractor, Sub-Contractor and Owner.

It is not presumed that this first result of coordination is perfect, nor that it is the panacea for all the ailments of specifications.

The Committee does urge that these efforts be continued to finally accomplish the clarity and simplicity so advantageous to all concerned. The Committee has not extended the scope of this Specification Outline beyond the architectural trades. It is hoped that in the future, a completed document, developed with the consultation and advice of those in the mechanical and electrical fields may be accomplished.

The Michigan Joint Cooperative AGC-AIA Committee

February, 1953.

SPECIFICATION OUTLINE MICHIGAN JOINT COOPERATIVE AGC-AIA COMMITTEE

INSTRUCTIONS TO BIDDERS

1. Invitation
2. Bid Bonds
3. Deposits
4. Proposal Forms

Division 1. GENERAL CONDITIONS

1. Standard Forms
2. Modifications of Standard Forms
3. a. Drawings Furnished
b. Permits
c. Insurance
d. Bonds
e. Building Cleaning and Window Washing

Division 2. SPECIAL CONDITIONS

1. Time of Completion
2. Examination of Site
3. Special Site Conditions
4. Laying Out Work
5. Temporary Field Office
6. Temporary Heat
See Appendix A
7. Temporary Utilities
a. Water
b. Sewer
c. Electrical
See Appendix B
8. Temporary Toilets
9. Watchman
Be specific as to requirements
10. Cash Allowances
State Divisions containing cash allowances
11. Scope of Work and Work not included in Construction Contract
State Divisions in which there are exclusions

12. Guarantees
13. Photographs
14. Storage of Materials
15. Signs
16. Progress Payments
a. Basis for Payment
b. Method of Payment
c. Payments for materials properly stored;
Insurance.
17. Safety Requirements
a. Barricades
18. Samples Required

Division 3. ALTERNATES

1. General Notes
2. List of Alternates, 1, 2, etc.
The first paragraph of each affected Division should refer back to this Division on Alternates.

Division 4. DEMOLITION

1. General Notes
2. Capping of Utilities
3. Salvage Material

Division 5. EXCAVATING & GRADING

1. General Notes
2. Sub-surface Soil Data
a. Borings
Test Borings should be made before advertising for bids where project is of the size and kind to require it.
3. Water Conditions

4. Stripping Topsoil
5. Excavating and Backfill
6. Filling and Grading
7. Tile Sub-soil Drains
8. Grading for driveways and walks
9. Finish Grading, Seeding, Sodding and Shrubbery
10. Temporary Roads
11. Stabilized or Bituminous Paving

Division 6. PILES AND SPECIAL FOUNDATIONS

1. General Notes
2. Caissons

3. Piles and test piles
4. Sheeting
5. Shoring
6. Underpinning

Division 7. CONCRETE WORK

1. General Notes
2. Materials
3. Storage of Materials
4. Type of Forms and Finishes
5. Forms, Centering and Metal Pans
6. Placing Tile Fillers
7. Inserts and Fastening Devices for other work
8. Strength, Proportions and Mixes of Concrete
9. Admixtures
10. Measuring and Mixing Concrete
11. Tests
12. Placing Concrete
13. Construction and Expansion Joints
14. Removal of Forms
15. Patching
16. Protection and Curing
17. Floor Slabs on Earth
18. Cement Floor Finishes
19. Fill Between Wood Sleepers
20. Concrete Sills, Lintels
Poured-in-Place
21. Cant Strips and Crickets
22. Bridging and Concrete Joists
23. Curbs, Drives and Sidewalks

Division 8. REINFORCING STEEL

1. General Notes
2. Material
3. Tests
4. Fabrication
5. Cleaning and Storing
6. Supports
7. Steel Mesh, Metal Lath, etc.
8. Placing
9. Shop Drawings

Division 9. MASONRY

1. General Notes
2. Masonry Materials
Including Glass Block
3. Types of Mortar
4. Mortar Waterproofing
5. Precautions and Protections
6. Pre-Cast Concrete, Sills, Coping, etc.
7. Laying Masonry Units
8. Parging Walls
9. Built-in Work
10. Sample Wall Panels
11. Pointing and Cleaning

Division 10.

- A. CUT STONE
- B. GRANITE
- C. TERRA COTTA
1. General Notes
2. Materials
3. Mortar
4. Cutting
5. Carving and Models
6. Anchors, Dowels and Cramps
7. Setting
8. Expansion Joints
9. Pointing and Caulking
10. Cleaning and Protection
11. Shop and Setting Drawings
12. Samples

Division 11. WATERPROOFING AND DAMPPROOFING

1. General Notes
2. Preparation of Surfaces
3. Membrane and Fabric Waterproofing—Dampcourse
4. Metallic Waterproofing
5. Exterior Damp-proofing
6. Interior Damp-proofing

Division 12. STRUCTURAL STEEL

1. General Notes
2. Materials and Tests
3. Fabrication
4. Loose Lintels
5. Erection of Steel
6. Shop Painting
7. Shop Drawings

Division 13. STEEL JOISTS

1. General Notes
2. Fabrication
3. Shop Painting
4. Erection
5. Special Fittings and Bridging
6. Shop Drawings

Division 14. PRECAST CONCRETE JOISTS

1. General Notes
2. Fabrication
3. Erection
4. Bridging
5. Shop Drawings

Division 15. SPECIAL FLOOR AND ROOF DECK

1. General Notes
2. Fabrication
3. Shop Painting
4. Erection
5. Special Fittings
6. Shop Drawings

Division 16. SPECIAL WALLS AND SIDING

1. General Notes
2. Materials
3. Workmanship
4. Shop Painting and Protective Coating
5. Shop Drawings

Division 17. MISCELLANEOUS AND ORNAMENTAL METALS

1. General Notes
2. Materials
3. Workmanship
4. Shop Painting and Protective Coating
5. List miscellaneous Iron items **fabricated for the job**, such as: Steel stairs, hand rails, metal ladders, window guards, thresholds, channel frames, etc.
6. List Ornamental items
7. Shop Drawings

Division 18. METAL SPECIALTIES

1. Bath and toilet accessories
2. Lockers
3. Wall chutes
4. Medicine cabinets, etc.
5. Office partitions
6. Toilet partitions
7. Vault doors
8. Revolving doors
9. Laundry chutes
10. Rolling metal doors
11. Metal access doors
12. Skylights
13. Shop Drawings

Division 19. METAL DOORS & TRIM

1. General Notes
2. Hollow metal doors
3. Metal covered doors
4. Tin clad fire doors and Frames
5. Combination metal bucks and Trim
6. Location of hardware
7. Shop Drawings and Samples
State which doors should bear underwriter's labels.
8. Shop Prime Coat

Division 20. METAL WINDOWS

1. General Notes
2. Protective Coating
3. Casement windows
4. Double hung windows
5. Projected windows
6. Pivoted windows
7. Security windows
8. Frames and trim
9. Hardware
10. Operators
11. Metal insect screens
12. Window cleaners' bolts
13. Installation and Adjustment
14. Shop Drawings

Division 21. ROOFING AND SHEET METAL

1. General Notes
2. Materials
3. Insulation
4. Type of roofing
5. Through-wall flashing
6. Metal gravel stops and Facia
7. Gutters and Downspouts
8. Building expansion joints
9. Snow guards
10. Special metal louvers and Ventilators
11. Surety maintenance bond
12. Special metal coverings and Linings
13. Shop Drawings
Cast Iron Roof sumps furnished and set by plumbers; flashing and mopping in by roofing contractors.

Division 22. CAULKING AND WEATHER-STRIPPING

1. General Notes
2. Materials
3. Application

Division 23. CARPENTRY

1. General Notes
2. Grading Requirements and Species of Woods
3. Storage and Protection
4. Temporary Enclosure
5. Rough Hardware
6. Framing
Including prefabricated wood trusses, columns, etc.
7. Wood Grounds, bucks, furring and sleepers
8. Sheathing
9. Sub-Flooring
10. Wood Finish Flooring
11. Sanding Wood Floors
12. Preservative Treatment
13. Building Paper or Felt
14. Stock Wood Siding
15. Wood Bumpers
16. Wood Stairs
17. Insulation

Division 24. MILLWORK

1. General Notes
2. Grading Requirements and Species of Woods
3. Storage and Protection
4. Preservative and Pressure Treatment
5. Special Wood Siding
6. Window Frames
7. Wood Sash
8. Special Hardware
NOT included in Finish Hardware
9. Wood Door Frames
10. Wood Doors
11. Wood Louvers
12. Wood Stairs
13. Wood Handrails
14. Wood Seats
15. Wood Shelving
16. Cabinets and Counters
Mill-Made
17. Hook Strips
18. Miscellaneous Items
19. Installation of Hardware

20. Shop Drawings

Division 25. LATHING AND PLASTERING

1. General Notes
2. Materials
3. Lath and Lathing
4. Base Screeds, Corner Beads, etc.
5. Plaster and Finishes
6. Specialties—**Metal Stool, Base, etc.**
7. Cleaning
8. Guarantee
9. Patching

Division 26. CERAMIC TILE AND MARBLE

1. General Notes
2. Materials
3. Accessories
4. Laying Out Work
5. Setting, Grouting and Cleaning
6. Miscellaneous Items
Precast Terrazzo, Slate, etc.
7. Shop Drawings

Division 27. TERRAZZO

1. General Notes
2. Materials
3. Terrazzo Composition and Colors
4. Non-Slip Floors
5. Screed Coat
6. Dividers
7. Laying Terrazzo Topping
8. Cleaning and Sealing Terrazzo

Division 28. COMPOSITION FLOOR AND COUNTER COVERING

1. General Notes
2. Materials
3. Preparation of Sub-Surface
4. Installation
5. Cleaning and Finishing

Division 29. GLASS AND GLAZING

1. General Notes
2. Materials
3. Installation
4. Mirrors
5. Specialties
6. Store Front Construction

DIVISION 30. ACOUSTICAL TREATMENT

1. General Notes
2. Materials
3. Installation Methods
 - a. Cement
 - b. Metal Suspension
 - c. Nail or Screw Attachments
4. Application of Sprayed Treatment
5. Guarantee

Division 31. FINISH HARDWARE

1. General Notes
2. Allowance or Schedule
3. Templates
4. Packing and Marking
All special hardware installations should be specifically noted as well as any hardware not included in the allowance. Schedule is to be delivered promptly after award of contract.

Division 32. PAINTING AND FINISHING

1. General Notes
2. Work not included—**Piping, etc.**
3. Materials
4. Colors and Samples
5. General Requirements
6. Preparation of Surfaces
7. Priming and Back Painting
8. Schedule of Painting
9. Application
10. Cleaning and Touch-Up

Division 33. MISCELLANEOUS AND SPECIAL EQUIPMENT

List and describe special items of equipment for materials not included under other headings, such as:

1. Chalkboards
2. Bulletin Boards
3. Bookstacks
4. Cabinets
5. Special Furniture
6. Floor Mats
7. Folding Doors
8. Fire Extinguishers
9. Hose Cabinets
10. Incinerator
11. Key Cabinets
12. Kitchen Equipment
13. Laboratory Equipment
14. Laundry Equipment
15. Movable Partitions
16. Overhead Doors
17. Seating
18. Stage Equipment
19. X-Ray Equipment and Protection
20. Hospital Equipment
21. Elevators and Dumb Waiters
22. Recreational Equipment
23. Shades and Blinds

APPENDIX A—(Recommended Clause) HEATING DURING CONSTRUCTION

- A. General**—Heating requirements during the course of construction have been divided into two classes, i.e., "Cold Weather Protection" and "Temporary Heat," which are described under Paragraphs "B" and "C" below.
- B. Cold Weather Protection**—All heating required by contractors during the construction period prior to enclosure of the building shall be classified as "Cold Weather Protection." Such

heat shall be furnished by each contractor requiring same. Heating units must be of approved types, and equipment and surroundings shall be kept in a clean and safe condition.

- C. Temporary Heat**—All heating required after enclosure of the building shall be classified as "Temporary Heat." The building shall be considered as enclosed when it is roofed and has such protection at doorways, windows and other openings as will provide a reasonable heat retention. The heating contractor shall have the heating system in readiness for furnishing temporary heat at the time the building is enclosed. The general contractor shall furnish all fuel for the operation of the system. The heating contractor shall operate the heating system, furnishing such labor and supervision as is necessary, and be responsible for the system and its operation until acceptance of the building. Except as otherwise called for, a minimum temperature of 50° and a maximum temperature of 75° in the building shall be maintained during working hours. At other times the temperature in all parts of the building shall be kept above freezing.

- D. See requirements of detail specifications for minimum temperature to be maintained for trades.

- E. It shall be the responsibility of the general contractor to see that all concrete, plaster, tile, masonry and other wet work is sufficiently dry before the installation of millwork and trim, and other finished items.

Explanatory Notes:

- If the building is an addition and the source of heat is in an existing building, it is customary for the Owner to furnish fuel under Paragraph "C."
- Paragraph "D" refers to special items such as asphalt tile which require special temperatures before, during, and following installation.
- If the job is the type which will require that heating units must be hooked up in a temporary fashion and then re-set in their permanent position, it should be made clear that the heating contractor shall include this cost as a part of his bid.

APPENDIX B—(Recommended Clause)

TEMPORARY WIRING

The Electrical Contractor shall provide temporary connections for fan motors, oil pumps, oil burners, etc., at the direction of the Architect, when heat or ventilation is required during the course of construction of the building.

The Electrical Contractor shall also provide temporary power and lighting facilities to include the following:

1. Approved service connections and meter installation from the nearest power lines to the job site.
2. Single phase three (3) wire service and necessary branch wiring of sufficient capacity shall be run to provide 110/220 volt lighting and power outlets throughout each floor. Twin weatherproof sockets shall be installed, one for 150 watt lamps and one for 150 watt power at 50' on centers both ways.
- Also temporary 220 or 440 volt, 3 phase power service shall be provided to 100 ampere fused switches spaced at 300' on centers both ways. (Note: This provision is at Architect's option, depending on requirements of job.)
- The necessary extension cords required in addition to the above wiring are to be provided by each Contractor to suit his requirements.
3. The General Contractor shall pay for all current used by all contractors for temporary light and power.
4. Service and lighting facilities to the construction offices of the various contractors shall be furnished by the contractors concerned.

Explanatory Note:

Item Number two (2) and three (3) above should be considered as **flexible** depending on the size of job. On larger jobs, a separate meter is suggested for each contractor.

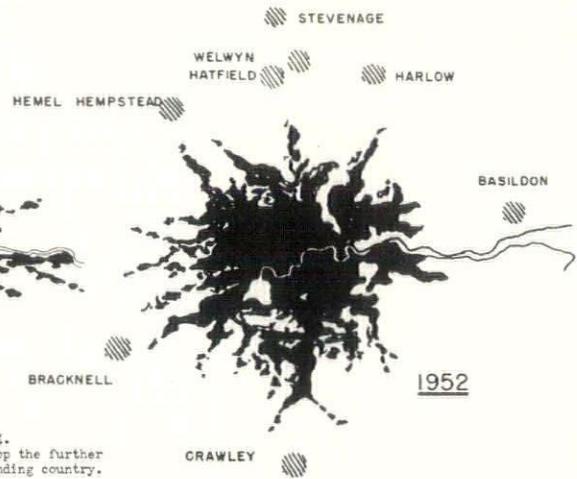
THE MICHIGAN JOINT COOPERATIVE AGC-AIA COMMITTEE MEMBERSHIP

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George W. Combs, Committee Secretary, Michigan Chapter, Associated General Contractors of America, Inc., 127 N. Cedar St., Lansing



booth fellow j. h. livingston's second report

James H. Livingston, an associate member of the Detroit Chapter, A.I.A., is on the design staff of Smith, Hinchman & Grylls, Inc., Architects and Engineers. As the winner of the George G. Booth Architectural Traveling Fellowship for 1952, awarded by the U. of M. College of Architecture & Design, he spent ten weeks studying in Europe last summer.

Fourteen new towns, each using existing, relatively small communities as nuclei, are now being created in Great Britain.

Eight of these towns are being built in a ring around London, at a distance of about thirty miles. When completed, they will provide housing for more than 350,000 people from over-crowded London.

These towns are not intended as dormitories for people who work in London. They are the result of a conviction that the cancerous growth of the Capitol at the expense of the surrounding country must be stopped.

London's "New Towns" are planned as "self-contained" units. Here people who would otherwise be living in over-crowded conditions in London, or traveling long distances between the suburbs and their work, can find both homes and employment.

Belts of green countryside will separate the towns from London. Within the towns the residential areas will be arranged in planned relation to the shops, professional services, industry, civic buildings and schools.

Houses in the residential areas are situated on open, curving streets which wind their way through parks as well as business districts, in a well-planned pattern.

Industry is situated in a special

area away from the residential parts of the "new towns." Here the industrialist is offered profitable frontage facilities and the knowledge that additional space will be available for expansion if needed.

Rapid transit systems to London will provide fast commuting service for shopping, entertainment, etc. However, it is hoped that most residents will live and work in their new town.

Planned as balanced social communities, the "new towns" will become the homes of people of all ages and incomes.

As the first step in creating a new town, the Minister of Housing and Local Government designates an area in which the town will be built—he also names a maximum population. The Minister is responsible to Parliament and must comply with housing policies, the regulations governing finances and the use of scarce materials.

Prior to the designation of an area, the planning departments of the counties surrounding London have formed tentative plans for expansion and have requested official action. Most of the new towns have areas of about 6,000 acres. and proposed populations of 50-60,000; but it is interesting to note that several towns have already been forced to raise their planned population limits to 80,000.

After the location of the new town

has been designated, a development corporation is appointed. Composed of 6-9 members, this body has the power to acquire, hold and manage land; to build; to provide utilities and services, and "generally do anything necessary or expedient for the purpose of the new town or for purposes incidental thereto."

In practice, the first activity of the development corporation has been for their own full-time salaried staff of planners and architects to make a master plan for the development. The second step is to secure utility services by negotiation with the authorities responsible. The third step is building houses.

Another important function of the development corporation is to attract industry. Sites are let to industrialists, or in some cases, factories built by the corporation are let.

The corporation architects have developed a very lightweight pre-fab, modular type of construction for the plants. The roofs are of two types; either 2" curved pre-cast lightweight concrete sections, or sloped pre-cast concrete panels in a saw-tooth arrangement. The sites are planned for modular expansion under a general industrial area expansion plan. In this way, the expansion is controlled and the result is a colorful composition of open areas and low-level, similarly shaped structures.

Financing is made by advances

from the Treasury, but the principle is laid down that the corporations must pay their own way, from rents on houses (the housing receives a subsidy to keep rents down) shops, factories, sites, etc. All interest must be met on the capital advanced, and the capital must be repaid over a period of sixty years.

The two main economic problems are that of attracting industry, and that of building cheaply. The general policy of the government in regard to location of industry greatly affects the success of the new towns. The primary need is that industries should not be allowed to develop where they are likely to increase congestion of existing towns.

Unfortunately, this policy has not worked out too well. Once several substantial industries have been induced to move to the new area and have established themselves, other more timid industries tend to follow. But they all wish to move to the town already well on the way to being developed. They will not assume the risk of building in the slow developing town that really needs them for a starter. The result is that those towns with the greatest momentum and best natural amenities, draw more industry applications than they need while others are stalemated from the lack of them.

Materials are difficult to get and there is a shortage of labor. In addition, the building industry seems unable to drop its archaic methods and build more efficiently. Taking industry as a whole, output per man-hour is higher today than pre-war. Building is a sad exception. Building output per man hour in 1950 was 20 per cent below pre-war level, yet wages were twice as high. This high cost of building makes new town development difficult.

Aesthetic and cultural values played a significant part in the preliminary planning stages of selling the new town concept to the people. But the impetus of building with the need for economy has placed the emphasis increasingly upon material values to the detriment of cultural ones. Also, this impetus has seemed to encourage the corporations to compete among themselves with the results measured in quantity rather than quality.

Developing a sense of community feeling is a difficult problem. The first inhabitants consist largely of young married people. As a consequence the towns overflow with young children. There are few adolescents and old people. The newcomers consider themselves pioneers and there is much friction between



William E. Kapp receiving citation from Louis H. Schostak, Chairman of the Building Committee of Temple Israel of Detroit. Shown at left is Samuel Linden of Lerner-Linden Construction Co., builders of the Temple.

William Edward Kapp, F.A.I.A., was presented with a certificate at a special meeting of the Board of Trustees of Temple Israel of Detroit recently, expressing appreciation and thanks for his work, effort and successful accomplishment in the building of the new Temple.

The citation stated that the architect had, "by study and research be-

them and the original inhabitants, whom they regard as reactionaries, anxious to prevent development. The original inhabitants, though aware of the social purpose of new towns, have not enjoyed the processes of construction, the uprooting of local features, and the devastation of the country side by pre-development preparations.

Most administrative problems that develop concern the degree of freedom and responsibility that should be left to the development corporations. Control of some kind is inevitable. Administration control of development and land use has been one thing; administrative control in the field of aesthetics has been another. The development corporations have been vested with considerable power, and this power is increasing.

Many architects connected with the work thought authorities were tempted to reduce architecture to compliance with their own ideas. This led to dogmatic ideas about new buildings harmonizing with existing ones. The public control seem-

yond the call of contractual obligation, and by skill and artistry, so designed and supervised the construction of the Temple Building and its fittings and equipment that it is a masterpiece of beauty in the community," and it continued, "Through his ability, sparked with the inspiration of genius, he has achieved the creation of a structure beautiful in simplicity, spacious in capacity, thorough in detail.

"Without additional compensation, he designed an Ark of the Law, a near replica of that described in the Holy Scripture, as a fitting climax to his work."

ed to strain out valuable qualities and discourage originality. This was evident in the finished housing designs, little changed from pre-war attempts.

The corporations **themselves** feel that they have "too many masters," and they described the administrative machinery regulating their activities as "cumbersome beyond belief." This is an issue they expect more experience to settle.

The idea behind the "new towns" assumes that decentralization is inevitable, if only to relieve central congestion. It also assumes that decentralization can be handled much better by building completely new urban areas, rather than by just adding another shopping center and group of homes at the edge of the city.

In America, "new towns" planning has been given little official attention, but our trend towards decentralization is creating greater public interest in the planned community with its opportunities for healthy, happy living, close to one's work and close to natural beauty.

architectural bowlers

Architects may differ on contemporary or traditional design, but they agree on one activity—bowling.

Over 120 architects and engineers representing 14 architectural and engineering firms attest to the popularity of this tenpin sport by their active participation in one of Detroit's oldest bowling leagues—the Detroit Architectural Bowling League.

Celebrating its 31st anniversary, the league's founding fathers enumerate such names as, the late "Cap" Ralph B. Pierce, Norman Krecke, Bill Bruss, George McLaughlin, Nate Kern, the late Harry Meier, and the late N. B. Hubbard. These men were the motivating force behind the establishment of D. A. B. L. in the fall of 1922. On its roster of active keglers are three of the early-league members, Les Manning and Max Luce associated with Harley, Ellington & Day; and Cliff Bradshaw, with Albert Kahn Associates.

The league has been rolling on the 7th floor alleys of Detroit Recreation for almost 31 years. Only during the depression years of 1932-1935 was the league inactive.

On Friday nights, one can sense the fierce competition of the Detroit Architectural Bowling League as the 14 teams vie for top position.

This year, additional incentive for first place honors has been instilled in the league, for at the conclusion of the season a beautiful 32" high engraved trophy will be temporarily awarded to the winner.

Through the efforts of Chet Jaros and Josh Finkbeiner substitute bowlers for Herman & Simmons and A. J. Bouffard, General Manager of Chem-Brick, a trophy was offered to and accepted by the league. This trophy, to be called the "Architect's Trophy" was donated by Detroit Brick and Block Company, manufacturers of Chem-Brick and will be kept by the three-time winner, the prize and banquet committee has agreed. The yearly winner will be awarded a plaque in the interim.

With Albert Kahn Associates, the defending champions, in third place as of Friday, March 13, a dark horse engineering team, Snyder & McLean, is tenaciously clinging to first place by a slim three point margin.

Architects reluctant to see an engineering firm walk off with the "Architect's Trophy" are desperately trying to push an architectural firm into top spot. In an advantageous position to wrest the trophy from the eager hands of Snyder & McLean keglers, is the determined Giffels & Velle aggregation, in second place.

Both Albert Kahn Associates and Giffels & Velle, Inc. teams recently returned from the highly competitive A. B. C. tournament in Chicago, in which each quintet rolled impressive scores.

Other firms represented in the league are. McGrath & Dohmen; Smith, Hinchman & Grylls; Norman Krecke; Herman & Simons; H. E. Beyster; Eberle M. Smith; Hyde & Bobbio; Ralph R. Calder; George Wagschal Associates; Diehl and Diehl and Harley, Ellington & Day.



BOWLERS' OSCAR

George Diehl, President of the league, has announced that the D.A.B.L. annual bowling banquet will be held at Carl's Chop House on Grand River, Friday, April 24, 1953. He has issued an open invitation to all architects and engineers who are interested in attending this gala affair. Diehl said, that men who would like further information on this banquet may call Bob Davis, Chairman of Prize and Banquet Committee at WO. 5-7474.

Other officers in the league are, Bob Larsen of Giffels & Velle, Vice-president; Les Manning, Secretary and Walter Ziemba, of George Wagschal Associates, Treasurer.

The Eligibility Committee, whose main purpose is to pass upon the eligibility of each kegler, is composed of Les Manning, Chairman; Ed Brown of Albert Kahn Associates and Lyle Askew of Ralph R. Calder.

Assisting Bob Davis, Chairman of the Prize and Banquet Committee in planning the awarding of annual prizes and in the final arrangements for the annual banquet are five other committee men, Joe Bobbio of Hyde & Bobbio; Eugene DiLaura of Eberle M. Smith; John Hilberg of Herman & Simons; John Jensen of Norman Krecke and Walt Ziemba of George Wagschal Associates.

Amedeo Leone, president of the Detroit Chapter of The American Institute of Architects, and Mrs. Leone have left for a two-weeks vacation in Florida.

Leone is vice-president of Smith, Hinchman and Grylls, Inc., Architects and Engineers, with offices in the Marquette Building, Detroit.

Architects Paul R. Sewell and Frederick J. Schoettley, partners in the firm of Sewell & Schoettley, of Detroit, were in an automobile accident near Saginaw on March 17. Their car struck an unexpected area of slush, skidded, went off the road and turned over. Both sustained back injuries.

were taken to a hospital in Pontiac, then transferred to Detroit Memorial Hospital, 1420 St. Antoine, Detroit. It is reported that they will be hospitalized for several weeks.

C. Allen Harlan, president of Harlan Electric Company, has been elected president of the Detroit Educational Television Foundation. Other officers are James Cope vice-president of the Chrysler Corporation; William E. Stirton, assistant to the acting president of Wayne University, and Mrs. Frank Couzens, widow of the former mayor of Detroit and president of the League of Catholic Women.

Harlan, donor of the \$5,000 scholarship, sponsored by the Michigan Society of Architects in 1952 and won by Kent Cooper, recently established a similar scholarship at Brandies University in Waltham, Mass.

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Carlton P. Campbell, February 10, 1953
C. Howard Crane, August 14, 1952
Louis Kamper, February 24, 1953
Hugh T. Millar, November 13, 1952
J. L. Murphy, January 12, 1953
Fred Potz, December 8, 1952
Edward A. Schilling, September 9, 1952
Ernest H. Trysell, February 5, 1953
Bernard C. Wetzel, July 12, 1952

Louis Kamper

Louis Kamper, A.I.A., died in his home City of Detroit on February 24 at the age of 91.

Perhaps more than any other he was responsible for the character of Detroit's downtown architecture, having designed the Book Building, Tower and Garage, Book-Cadillac Hotel (now Sheraton-Cadillac), Washington Boulevard Building, Industrial Bank Building, Real Estate Ex-

change (now Cadillac Square Building), Water Board Building, Savoy Hotel (now Detroiter), several hotels along Park Avenue, parts of Herman Kiefer and Providence Hospitals, and many other structures in Detroit and other cities.

At its 37th annual convention the Michigan Society of Architects made Mr. Kamper an honorary member. The certificate was presented to him at his home on his 90th birthday, March 11, 1951.

We expect to have in a future issue an appraisal and appreciation of Mr. Kamper and his work, by Prof. Emil Lorch, F.A.I.A.

Ernest H. Trysell

Ernest H. Trysell, A.I.A., member of the Detroit Chapter, The American Institute of Architects, died February 5 at the age of 60.

Mr. Trysell was born in New York City on February 21, 1892. He was educated in Detroit schools and at the University of Michigan where he received his B. S. in Architecture in 1917. After a year and a half in Europe, he was registered as an architect in Michigan in 1919. He also was registered as an engineer.

The deceased was a past president of the Swedish Engineering Society of Detroit, and past treasurer of the Michigan Society of Architects. His other affiliations included National Society of Professional Engineers, its Michigan Chapter, and Tau Sigma Delta, national honorary society of architecture and allied arts, of which he had been secretary-treasurer.

At the time of his death he was associate architectural engineer with the Detroit Board of Education, with which office he had been for the past 17 years.

Surviving are his wife, Margaret, and a daughter, Mrs. Marjorie Sample, of Rock Island, Ill.

The family home is at 14424 Longacre in Detroit.

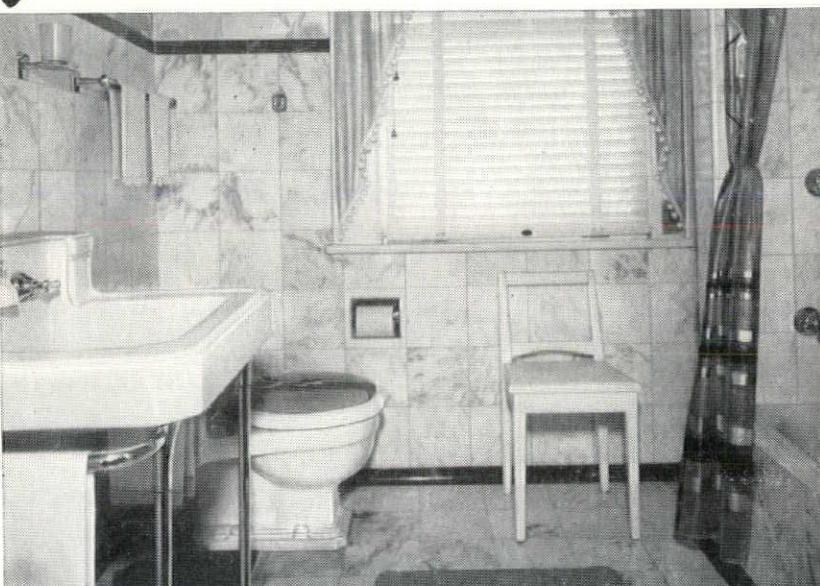
Carlton P. Campbell

Carlton Paul Campbell, A.I.A., 47, of Wyandotte, Mich., died suddenly of a heart attack on February 10.

Mr. Campbell was born in Kalamazoo, Mich., on March 18, 1905. A graduate of International Correspondence School, he also studied at the Beaux Arts Institute of Design, and Thumb Tack Club Atelier. He had been employed by Birmingham & Cobb; Smith, Hinchman & Grylls; O'dell & Diehl, Stewart & Kingscott, and Great Lakes Steel Corp. At the time of his death he was practicing at 2903 Biddle Ave., Wyandotte.

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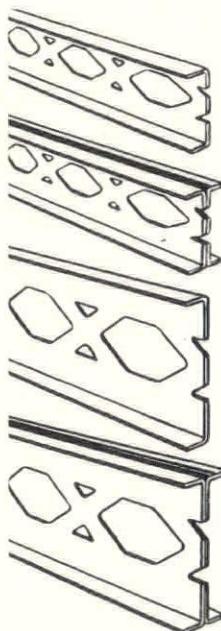


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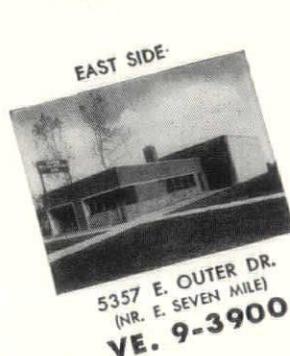
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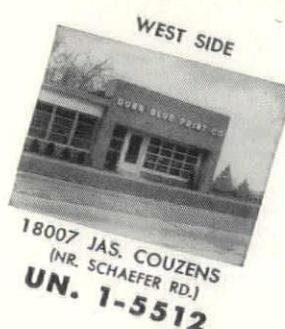
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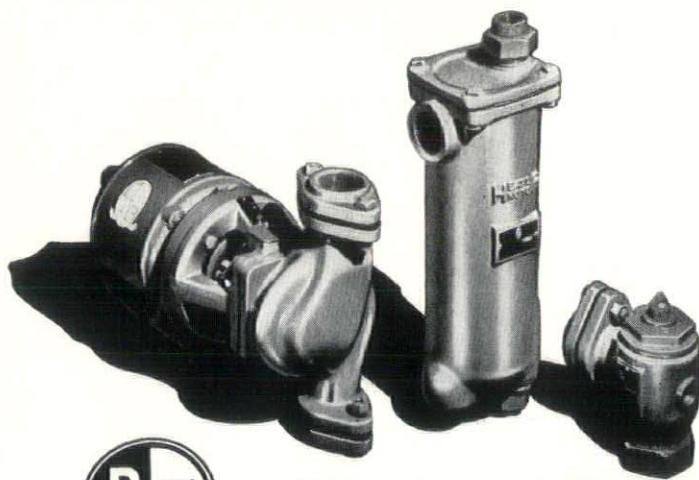
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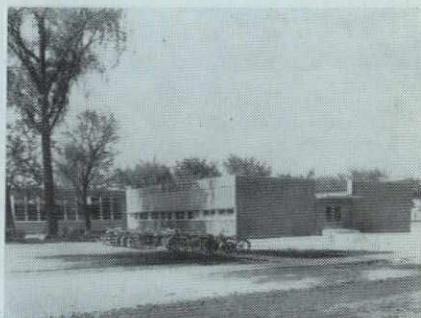
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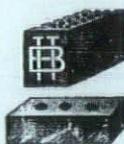
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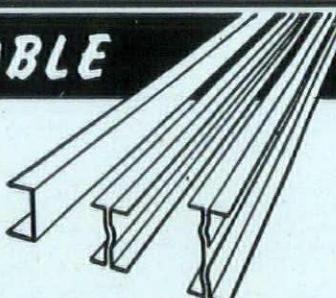
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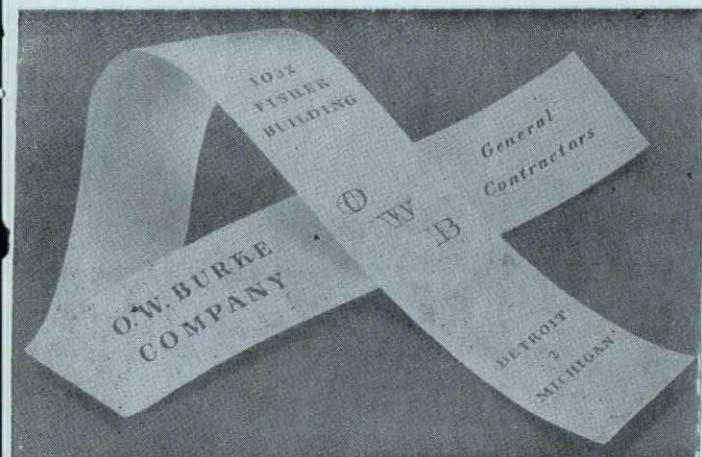
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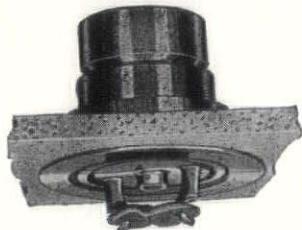
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are we national or local?

A national magazine with a local name, but what's in a name anyway? When the National Architect was combined with the Monthly Bulletin, a State publication, the name of the latter was retained, since it was the older of the two, and also for the very good reason that your editor is under contract to publish under that name.

The magazine is official publication also of National Council of Architectural Registration Boards and it reaches architects (the best of them, we claim) in every state. Subscriptions are on the increase

and so is advertising, so altogether the future looks bright. We believe that if we can do a good job it will be rewarded.

We give credit to Alexander Girard, A.I.A., our design consultant for an excellent job of redesigning. A "survey" of the best clubs, libraries and reading rooms show that, whereas the Bulletin was formerly placed on the side in a heap of miscellaneous pamphlets, it is now right up front with the leading mags, in its own leather cover with the name in gold letters.

architects in the news this month

Grosvenor Atterbury, architect and inventor, has been awarded the 1953 medal of honor of the New York Chapter of the A.I.A. for the successful development of mass-produced building wall units for pre-fabricated construction.

William G. Chirgottis, architect of Union, N. J. has been elected to the board of directors of the Franklin Mortgage & Title Insurance Co. of Newark.

Jean R. Kroeger has been taken into the firm of Hugill, Blatherwick & Fritzel of Kansas City, Mo. He has been employed by this firm for the past two years. Prior to that time he was employed by Marshall & Brown, Kansas City architects, for two years.

William A. Chalkley, formerly plant engineer with the Rohm and Haas Company, has joined the firm of Cooper and Perry, Knoxville, Tenn. The new firm will be known as Cooper, Perry, and Chalkley, Architects-Engineers.

Jack Alan Bialosky, for the past four years associated with Charles Colman, Cleveland architect, has announced the formation of his own office to be located in Carnegie Hall, 1220 Huron Road, Cleveland, Ohio.

A. V. McIver and Associates, Architects, have changed the name of the partnership to Mayer, Hess & Hausjaa and the office location has been moved to 603 Strain Bldg., Great Falls, Montana.

Ewing H. Miller, II, of 2515 Crawford St., Terre Haute, Ind., has received Council Record Number 4000 from the National Council of Architectural Registration Boards, it is announced by William L. Perkins, secretary-treasurer of the Council. Miller received his MA degree from the University of Pennsylvania, is registered as an architect in Ohio, a member of the Indiana Society of Architects, A.I.A. He is now employed by Miller & Vrydag, Architects, of Terre Haute.

Architect Roy F. France, of Miami, Fla., has been commissioned to develop a British island, Grand Bahama, off the coast of Florida, that will create competition for his many hotels in Miami Beach, according to Newsweek magazine, and it adds, "his commissions will be about \$1,700,000."

The magazine quoted France as saying that his early experience was gained in the office of a Fargo, N. D. architect, and "he remembers that the firm owned eight thumbtacks, which were kept in a cork board, and for which the boss held the staff responsible. I don't know what would have happened if we had lost one. Nobody ever did."

And Gus O'Dell of Detroit claims to have worked for the only architect who ever used a large leather rocking chair at a drafting board.

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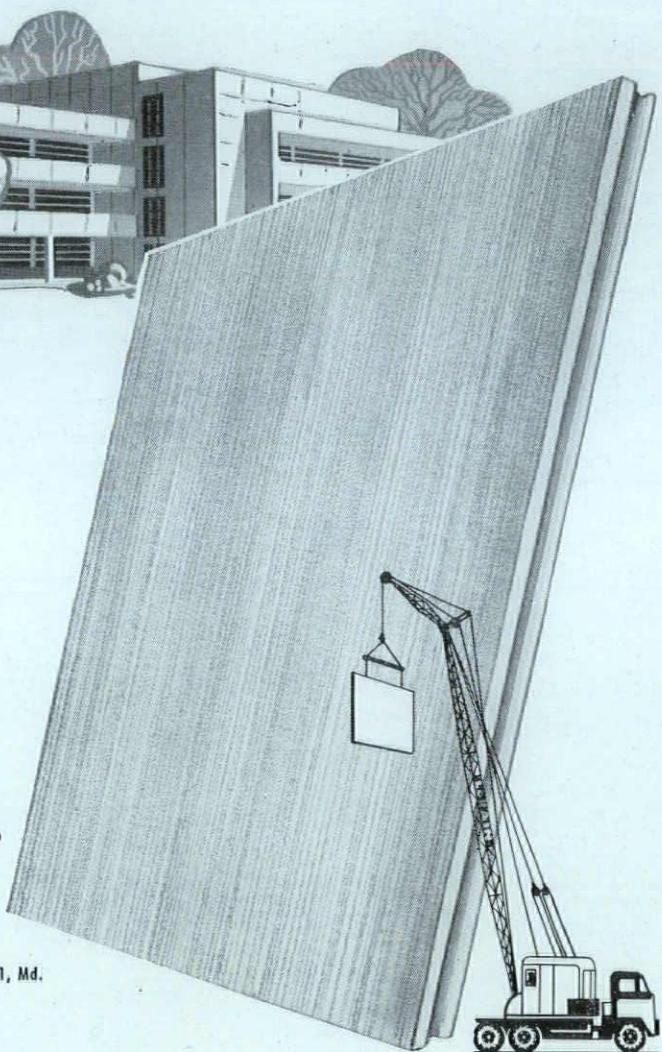
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news

Frederic H. Kock, associate member of Kruckemeyer & Strong, has been named president of the Cincinnati Chapter, A.I.A. Elected with him were Edgar D. Tyler, vice-president; Walter F. Sheblessy, secretary; and Richard Iuen, treasurer. Eugene F. Schrand, Kock's predecessor, was made a member of the executive board; Harold Goetz was chosen chapter delegate to the Architects' Society of Ohio, with Sheblessy as alternate.

Architect Charles Luckman has been appointed to the Municipal Art Commission of Los Angeles, succeeding Pierpont Davis, who resigned. Luckman, former head of Lever Brothers, is a partner in the firm of Pereira & Luckman, Architects, in Los Angeles.

John E. Walley, has been appointed assistant professor of architecture of the Chicago undergraduate division of the University of Illinois. Walley formerly headed the industrial design department of the Institute of Design.

Harvey P. Clarkson has resigned his post as director of architecture with A. M. Kinney, Inc. to join the New York firm of Shreve, Lamb & Harmon Associates, where he will have charge of architectural design.

Henry L. Wright, Los Angeles architect, has been elected president of the Southern California Chapter of the A.I.A. Wright, succeeded Charles E. Fry, 1952 president of the Chapter.

Howard L. Smith has been appointed an executive in the architectural-engineering firm of Richard Hawley Cutting & Associates. He has resigned as chief archi-



itect of the Federal Housing Administration to go to Europe as vice-president and project manager for the Cutting firm, with offices in Paris. Smith's architectural designs have won him awards from the American Institute of Architects, Carnegie Institute of Technology and the Beaux Arts Society of New York.

C. Ralph Fletcher, an associate for the past three years with the Cleveland firm of Outcalt, Guenther & Associates, has opened his own practice on Fernwood Rd., Chagrin Falls. Fletcher was one of the principal designers of the General Motors Bldg. at the New York World's Fair.

Albert C. Brown of Elizabeth, N. J. has been appointed executive director of the New Jersey Chapter, A. I. A. Brown succeeds Arthur Holmes, who has joined the national A.I.A. staff in Washington.

Raymond A. Fisher, Pittsburgh architect, has been appointed for a three-year term as a member of the Board of Standards and Appeals. This group interprets the city's building and construction regulations.

The recently renovated MacNamara Clinic in Toledo, Ohio (shown above) features striped mahogany wood pattern marlite in the library (left) and horizontal mist blue with cream upper walls in corridors (right).

Architect Nelson Thal, of Toledo, used marlite throughout the building, in business offices, private offices, corridors, treatment rooms, reception rooms, laboratories and libraries.

Charles G. Justice, of the firm of Ballou & Justice, Richmond, Va., is the new president of the Virginia Chapter of the American Institute of Architects. Justice succeeds Louis L. Schibner, who has served as president for two years. Other officers elected are J. Russell Bailey of Orange, vice-president; Richard L. Meagher of Roanoke, secretary; and Paul D. Woodward of Norfolk as treasurer. The chapter nominated Marcellus Wright, Jr., of Richmond, for the post of director of the Middle Atlantic Region of the A.I.A., which is comprised of the Virginia, Pennsylvania, West Virginia, New Jersey, and Delaware chapters.

ARCHITECTURAL DRAWING For the Building Trades

Needed facts and techniques for preparing simple working drawings for all types of everyday building jobs. Explains how to read blueprints; describes technical phases of modern building practice. Shows how to make perspective, isometric, oblique, and cabinet perspective drawings. By JOSEPH E. KENNEY, ARCHITECT, INSTRUCTOR IN DRAFTING; INSTRUCTOR IN BLUEPRINT READING AND ESTIMATING, MASS. UNIV. EXT., & JOHN P. MCGRAIL, SUPERVISOR IN CHARGE OF INDUSTRIAL CLASSES, MASS. UNIV. EXT. 128 PAGES, 92 ILLUS., \$4.80.

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CONSTRUCTION ESTIMATES AND COSTS

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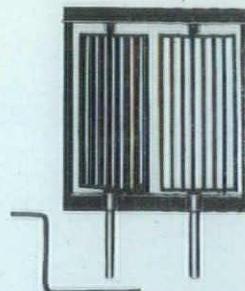
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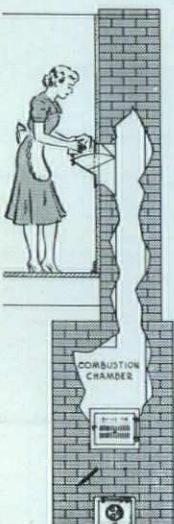
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letters

I was delighted with the new Bulletin. You no doubt realize that in this you've got a race horse that's rearing to go. It seems to me that architects should have more discussion on a wide range of subjects and I can think of no better place for them to air their views than in the pages of your magazine. There are so many subjects. Just one is the influence of Japanese art on our architecture. I greatly admire the sensitivity the Japanese have for the relationships of form and space.

Japanese architecture is probably the clearest example of organic design that we have, mainly because their buildings have not been cluttered with the use of complex mechanical appliances that tend to butcher our architecture. As an example, a small Japanese house starts with the floor matting as a unit and builds from there, each member bearing a definite relation to the matting and in turn to the next piece of wood. The result is a building that has a depth of honesty and a richness of design that is impossible to achieve in the eclectic approach. Too slowly our manufacturers of hardware and building appliances are redesigning their products so that they become an organic part of the building. One of the worst offenders at present is the manufacturer of domestic refrigerators. This appliance bears absolutely no relationship to anything else put in the kitchen. It looks well in a show window but simply does not belong in a kitchen.

The taste of Japanese is well illustrated in their poems, paintings and flower arrangements, but most completely demonstrated in their gardens, which are superlative. We are fortunate in having a few good examples in this country, those in Golden Gate Park, I believe, being the finest. They are like an orchestra of many different instruments, each more conscious of the overtones it is producing than in the exact score.

As an architect, I feel that the greatest contribution the Japanese have given this world is their exquisite sensitivity to contrast in form and space.

My father's description of a window decoration he saw in Japan is a good example: 'The background of this small shop window was white silk, and supported in space by fine threads was a number of colorful fans in different positions and different levels and depths. The arrangement of these fans seemed

almost accidental, yet each was exactly where it belonged. Another fan more or less would have ruined the effect, or any change in the arrangement would have marred the fine sense of balance.'

He felt that it was the most beautiful window display he had ever seen. This, as I see it, is the Japanese touch. It is balance through repose rather than through symmetry.

I should like to see other architects use the Bulletin to contribute to this discussion. It seems to me it would benefit all of us to air our views and philosophies. We must recognize it sooner or later—our greatest weakness is the lack of philosophy, and not until we have a philosophy are we going to really contribute to the well-being of society.

ALDEN B. DOW, Midland, Mich.

I intended writing you much sooner than this, but was prevented from doing so by the rush of everyday business and by other activities. I want to tell you what a magnificent publication I think you are producing. I have seen no other to compare with it for its size and facilities. It is just as handsome as and more so than most of the professional architectural magazines issued today.

The photography is excellent, which is helped a great deal by the fine quality of paper used, the entire format, from news, feature presentation, to advertisements is most competently handled and a joy to peruse. I thought the January issue was good but when I saw February and the Alden Dow feature I really agreed that this issue alone was worth the entire year's subscription. We must not forget the superb covers either. They are also works of art, and the National Architect, of which I am a charter subscriber, has not lost its identity.

Well, more power to you. You are doing a fine job, and you have my sincere thanks for permitting me to share these experiences with you. My kindest personal regards and fraternal best wishes.

GORDON C. PIERCE, Greensburg, Pa.

Congratulations on the honor accorded you and the Bulletin. The Bulletin was entitled to wider circulation, but I hope that National Architect does not lose any of its well-earned identity. The important fact is that your sphere of intensive ac-

tivity and influence has enlarged, and that's all to the good.

LEE A. WHITE, Cranbrook Institutions, Bloomfield Hills, Mich.

No. 1, Vol. 27, Jan. 1953 came as a surprise, very smart cover and interesting inside. "Bertram Reports" indicate that Michigan has similar problems to those of New York. The Michigan Society of Architects should be proud of this publication. Here are three bucks to see what the other eleven issues look like.

ROBERT J. YOUNG, Larchmont, N.Y.

Enclosed herewith is our check for \$3 in payment of subscription to the National Architect, which we understand has been combined with the Monthly Bulletin of the M.S.A. We approve of the merging of these two periodicals and are looking forward to receiving the new combined issues.

OSSIAN P. WARD, Louisville, KY.

I have just completed reading the January 1953 issue. With the feeling of high elations still fresh, I want to express to you and your staff heartiest congratulations. The new format should serve as an inspiration to other chapters. It certainly can spotlight the wonderful possibilities for creating a bulletin which is a forceful tool to the membership.

WALTER H. SOBEL, Chicago, Ill.

Allow me to congratulate you on January 1953 Bulletin and National Architect. I shall look forward to receiving each issue. Certainly all architects should be interested in your venture and give their support. Enclosed is check for \$3 for subscription.

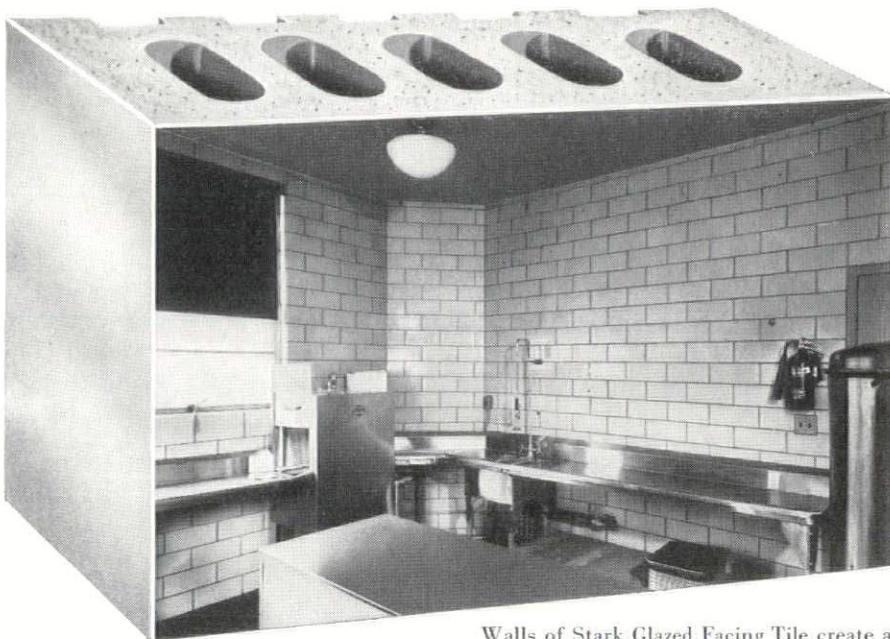
N. W. OVERSTREET, Jackson, Miss.

My congratulations to you and all concerned in the new format of your publication. In appearance and content this edition of the combined publication is very fine indeed. My best wishes for your continued success.

THOMAS V. MURPHY, Editor, Geyer Publications, NYC

The new Bulletin is a pip! It inspired me to write the enclosed, for free, if you can use it. You understand, I do not really

*designed
for
youth—*



Walls of Stark Glazed Facing Tile create a bright, clean kitchen in Canton, Ohio, Y.W.C.A.

with STARK GLAZED FACING TILE



Y.W.C.A. Building,
Canton, Ohio
Architects: Firestone and Motter

This handsome new Y.W.C.A. Building in Canton, Ohio was designed not only to serve youth, but to *stay* youthful itself—with minimum maintenance.

That's why architect Charles E. Firestone specified walls of Stark Glazed Facing Tile where wear and tear is heaviest. He has used this economical material in many of his industrial, commercial and educational buildings. He knows that it won't scratch, mar or fade, that it washes easily and never needs refinishing.

The soft, pleasing colors of Stark Glazed Facing Tile also help to make young people feel at home here. Stark's colors are "engineered" to help improve lighting, reduce glare, and create a cheerful environment.

Learn how you can use versatile Stark Glazed Facing Tile to meet your particular design needs. Write today for our free brochure showing colors, installations, shapes and sizes. Address Dept. MB-4.



STARK Ceramics, Inc., Canton 1, Ohio

14305 Livernois Avenue, Detroit 4, Michigan • 15 East 26th Street, New York 10, N. Y.

want you redesigned at all—I like you too well the way you are, bless you.

ROGER ALLEN, Grand Rapids

Your combined publication—the Bulletin and National Architect—has just been received. It is by far the most beautiful publication we have seen in a long time, so beautiful in fact that we did not have the heart to stamp our usual receipt date on its front cover. We feel sure that the architectural registration authorities throughout the country will receive increased benefits as a result of the consolidation of the two publications.

We will want to renew our subscription promptly on receipt of notice of expiration and bill in triplicate.

CLEMMIE V. WALL, Secretary,
State Board of Architects &
Professional Engineers,
Jefferson City, Mo.

The January Bulletin of the Michigan Society of Architects carries a two-page spread on our new Fort Miami School. The arrangement of pictures and comments concerning our new school were greatly appreciated by our Maumee Board of Education. Mr. John N. Richards of the architectural firm of Bellman, Gillett and Richards, is president of our Board of Education, and was especially pleased with the reference to our new school. Thank you for bringing recognition to the citizens of Maumee for providing excellent facilities for our Maumee children.

J. L. BAIRD, Supt. of Schools,
Maumee, Ohio.

As an old reader of the Bulletin I salute the new modern format. I was glad to see the February issue has allowed more space between paragraphs of fine reading matter. Some of the closely packed pages of the January issue discouraged reading that part of the Bulletin which, advertisers notwithstanding, is of considerable importance. As it now appears the Bulletin is a splendid "job." Congratulations to all who collaborated, but especial credit is due to the Founder, Editor and Publisher.

CARL GILBERT GAUM, Prof.
Emeritus, Rutgers Univ.,
Cleveland, Ohio

Volume 27, Number 2 of the marvelous Bulletin of the MSA has just reached my desk. With just a quick leafing-through, the feast will come later, but I simply had to let you know how much we appreciate your efforts.

We are not by any means the most prominent or the largest office, but we do receive all of the usual architectural magazines and a few of the unusual printings from other countries.

May I be permitted an expression and that is to say that this new magazine is just "out of this world."

We here in this office are proud to be subscribers to this journal and with great glee exhibit your workmanship to any and all visitors (paying and non-paying alike) that venture within our portals. Good luck and again congratulations.

LUCAS E. BANNON, Glen Rock, N.J.

Congratulations. The Alden B. Dow issue was well organized, beautifully presented and a real inspiration. Of course all of the credit does not belong to you. You had extraordinary material to work with, which leads to a bit of concern. Can you maintain the tempo? After all there is but one Dow.

However, it is consoling to think that there are others of imaginative and creative capacity who conceive architecture as contributing to full living—even so Dow must. I'm sure you will find them.

GEORGE CALEB WRIGHT,
Indianapolis, Ind.

A copy of your publication found its way into our office and I read it with a considerable amount of pleasure. Your material coverage was so ably handled that I would appreciate having a copy of this particular issue (Feb. '53). I think your publication efforts are an exemplary adjunct toward a better and finer standard of architectural practice and well-being.

IRVING D. GEWERTZ, Dallas, Texas

I wish to compliment you on the appearance of the Bulletin. It represents thinking on your part and of others concerned.

ELMER C. JENSEN, Chicago

Your new edition is "tops." I intended writing you about it before. Your serious efforts over the many years are at last bearing fruit, and I know the magazine will get better and better.

C. WILLIAM PALMER, Detroit

Enclosed is our check for \$3 for our subscription to the Monthly Bulletin. Everyone who has seen the magazine has been very enthusiastic.

PHELPS CUNNINGHAM, Cleveland, O.

Congratulations on the constant improvement which is shown in your publication. Enclosed herewith find check for \$3 for one year's subscription.

HAROLD H. MUNGER, Toledo, Ohio

died

DeWitt Clinton, Jr., 88, retired architect, in Paterson General Hospital, Ridgewood, N. J., Feb. 14. Worked on the Hudson Terminal Bldg., Astor Hotel, and Singer Bldg. in New York.

Samuel J. Collins, A.I.A., in Stanton, Va., Feb. 6. Widely known for his work in designing plans for churches of many denominations.

James Harold Eagen, A.I.A., 48, in Pittsburgh, Pa., Feb. 13. Associate partner in architectural firm of Hoffman & Crumpton.

Arthur E. Fettis, 75, in Dayton, Ohio, Feb. 18. Associated with the firm of Schenck & Williams.

Joseph Finger, A.I.A., 65, at his home in Houston, Texas, Feb. 6. Member of the firm of Finger & Rustay.

Arthur R. Geyer, A.I.A., 68, in Dayton, Ohio, Feb. 12. Widely known as a designer of public buildings. Designed University of Dayton Fieldhouse, several Dayton industrial plants, and North Town shopping center.

Louis Kamper, A.I.A., 91, dean of Detroit architects, Feb. 24. Designed Book Tower, Sheraton-Cadillac Hotel, Cadillac Square Bldg. Drew plans for 100 other Detroit buildings, including automobile factories, banks and hospitals.

William I. La Fon, 56, in Huntington, Long Island, Feb. 20. Designer of many schools and other public buildings.

William A. Lawry, 69, in Cleveland, Ohio, Feb. 24. A Cleveland architect since 1908, he worked on plans for the Art Museum, Ohio Bell Telephone Bldg., and St. Luke's Hospital.

H. H. Mahler, 77, in Fort Worth, Texas, March 6. Practiced in Illinois, Oklahoma, and Texas.

Emil Motl, 66, in Monticello, N. Y., Feb. 19. Former mayor of Monticello and a practicing architect.

Lester N. Sanger, in East Orange, N. J., Feb. 22. Senior Architect for the New York Housing Authority. Director of the Construction Specification Institute, Inc., of New York. Worked on Rockefeller Center project and 1939 World's Fair.

Lester B. Scheide, 55, A.I.A., in Hartford, Conn., Feb. 28. Long-time figure in Republican politics and president of the architectural firm of Scheide, Browne & Wilkins, Inc.

Henry S. Waterbury, F.A.I.A., 73, in New York City, March 2. Senior partner in firm of Delano & Aldrich, Architects. Designed Yale Divinity School, Virginia Military Institute, Hotchkiss School Buildings and Cornell University Union. Also worked on enlargement of U. S. Military Academy.

Lawrence Wolf, F.A.I.A., in Pittsburgh, Pa., March 3. Past president of Pittsburgh chapter, he was a specialist in church and school architecture.

things you should know

By CHARLES E. FIRESTONE, F.A.I.A.
President, N.C.A.R.B.

EDITOR'S NOTE :This article by President Firestone is an answer to the question in the minds of some architects as to what is the National Council of Architectural Registration Boards.

Do you know about the NATIONAL COUNCIL OF ARCHITECTURAL REGISTRATION BOARDS (NCARB)?

It was created for you, the individual architect.

Learn about it. It will only take a moment.
It might be of great help to you.

The primary purpose of the N.C.A.R.B. is to simplify inter-state registration.

It assists you, expedites state boards' actions, and brings the profession into closer relationship.

A second important purpose is to co-ordinate the practice of architecture throughout the Nation.

It's understandable, isn't it, that a Nation divided cannot endure. Likewise, neither can a profession.

It is your profession. It was chosen by you from all others.

Keep in step with it. The N.C.A.R.B. can help you. Why not share in the benefit it can provide; and then, too, you will give something to your profession.

A third purpose is to establish sim-

ilar or equal standards of competency.

It, too, is understandable that forty-eight States would perhaps have forty-eight different statutes to be followed for the practice of the profession of architecture.

Yet ALL are fundamentally the same, only somewhat different in procedure.

Really, it would be wonderful if we could all be measured for registration by the same yard-stick.

Now, aren't those three very good reasons for the existence of your N.C.A.R.B.?

The N.C.A.R.B. makes it possible for you to enter the practice of architecture in another state without an illegal and unethical approach, and with minimum effort.

No registered architect in good standing can be excluded from the procedure for a National Council Certificate.

Perhaps you are not thinking of practicing outside the boundaries of your own state.

Well, of course, one never knows. Just let us suppose you did receive a commission in another State—"right off the bat."

A National Council Certificate would come in mighty handy right then. And now suppose you didn't have it.

Suppose the state in which you received the commission had state

registration board meetings semi-annually, or annually (as a few States do).

Suppose your request for reciprocal registration might be questioned; it could easily take more than a year to obtain.

Would your client wait? It could happen to you. Better seriously consider a National Council Certificate. It would permit you to proceed at once.

Now let's take the other road. It couldn't happen to you. You would not accept a commission even if it were offered to you.

But, let us say you really have your profession at heart. You should.

Architecture has existed through all the ages. You cherish and honor the rich heritage you received from it.

Your National Council Certificate indicates professional unity. It shows professional strength.

You might feel a lot better to have contributed something, even in a small measure, to your profession.

You still don't see much sense to it?

Well, I have a certificate, and have never had occasion to use it, fortunately or unfortunately.

You think perhaps that I want to boast about it—bask in the sunshine of self-laudation.

Well, I don't. But I am proud to have the certificate. I have done something for my profession, and I know I have done something for myself.

THAT IS IMPORTANT.

So you are somewhat interested? Now let's get "hepped up" about it.

You want to know what it will cost you?

So you're that kind of a guy. Well, can't blame you. Architects do not make the kind of money that can be thrown around promiscuously.

Now what it will cost you actually: TWENTY-FIVE DOLLARS with the Application—FIFTEEN for Examinations. Total FORTY DOLLARS.

Yes, that's all. No more. No less. No fuss. No further dues.

You've passed the written examination in your state. And the chances are that it conforms very nearly to the syllabus of the N.C.A.R.B. Most states' do.

A letter to Secretary Bill Perkins at Chariton, Iowa will get a JUNIOR application on your desk. You should send a copy of your request to your own state board.

The application form is simple, understandable, and easy to prepare.

You name three architects and a few clients, as references. You probably know many who would be glad to accommodate, but you only need three of each.

Perhaps your own state requires practical experience. The junior application requires only THREE YEARS' experience. That in itself will qualify you for consideration of your application.

Filling out the application really is no work. It is no task, only spending a little energy. No contacting people—no long-distance calls—no telegrams—no conferences or interviews. Almost as easy as "falling off a log."

Once the application is filled out, processed, it is evidence of your recognition in all states in the Union as an architect capable of performing architectural services.

No, the COUNCIL FEES do not include registration in a particular

state.

Of course, each state has its own requirements for registration. If you have a commission in a state other than your own, you naturally have to pay a registration fee in that state, just as the resident architect does.

IF YOU HAVE THE CERTIFICATE, it might save a long trip, perhaps several extra trips, should you receive the commission in another state.

Many states grant temporary registration immediately upon the filing of the National Council Certificate with a state application and the payment of the fee of that particular state. You are permitted to proceed with your work without delay or interruption while the application is being processed.

It is your right. It is your privilege. It will be your national recognition as a registered architect of good moral character, tried and proven capable, and in good standing in your own state.

Now comes Grandpappy. — One of the architects registered under the Grandfather Clause.

You did not take an examination. Well, you're not responsible, for when you "popped" into the world, or when your state passed its registration act.

It just happened. Nothing wrong with that.

But you've had an office for many years. Maybe as long as twenty or thirty years.

Do you know you only have to have ten years of practice as a principal to be eligible for a SENIOR EXAMINATION?

You rate a SENIOR NATIONAL Certificate. It is not difficult at all. Write Bill Perkins for a SENIOR Certificate application.

You've made a lot of friends in those many years of practice. Your contemporary architects know and respect you.

The application will ask you for

some few of their names. They will be very happy to say something nice about you, and so will your clients.

Now, you probably have hundreds of photographs of your projects. Most architects are proud of their buildings and have quite a file of photographs, exteriors and interiors.

All you have to do is pick out a few photographs of your completed projects. Mount them on a given size cardboard. Label them with names, costs and dates.

Then you have the cardboard exhibit photographed for your Council record. Not much to that, is there? Just a few dollars for photographs at the most, and a small amount of energy.

"Gonna" cost you FIFTY DOLLARS though. TWENTY-FIVE with your Application and TWENTY-FIVE for Examinations.

The SENIOR Certificate ONCE ISSUED is comparable to and just as effective and as easily processed throughout the Nation as the JUNIOR Certificate.

You must have made a comfortable living from your practice, but more important you have had a lot of fun doing it.

Isn't it worth doing something for yourself MAYBE. For the profession SURELY.

Your having a National Council Certificate will have rendered a genuine service to your profession. You will give it strength. You will help to bring about UNITY in the profession. You will promote a sounder relation and a more profound understanding to the general public. Of course, the G.P. are your clients.

You know something else?

You will have contributed something to the welfare of your community, your state, your Nation and to POSTERITY. That definitely should be a great satisfaction to you.

Isn't it great to be an Architect?



THE A. G. STAFFORD CO.

Fabricators

Suppliers

CANTON, OHIO

Roof, Grilles & Rails, Aluminum
Entrance Doors, Frames, Incinerator,
Flagpole & Equipment, Ash Hoist

THE A. G. STAFFORD CO.

Roof—Johns-Manville

Registers—The Auer Register Co.

Alum. Entrance Doors & Frames—The Kawneer Co.

Incinerator—The Donley Bros. Co.

Flagpole & Equipment—American Flagpole Equip. Co.

Ash Hoist—Potts Ash Hoist, Inc.

We Are Proud
To Have Served
In the Erection of
Canton's New YWCA
Designed by Architect Charles E. Firestone
Of Firestone & Motter

THE A. G. STAFFORD CO.
CANTON, OHIO

charles e. firestone **f. a. i. a., canton, ohio**

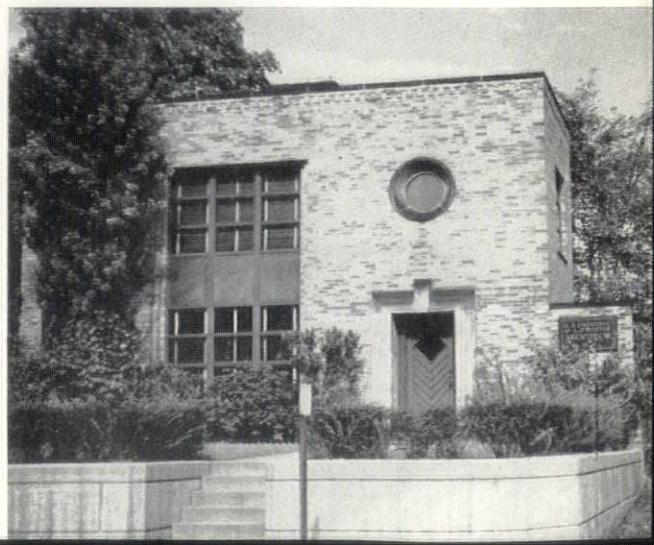
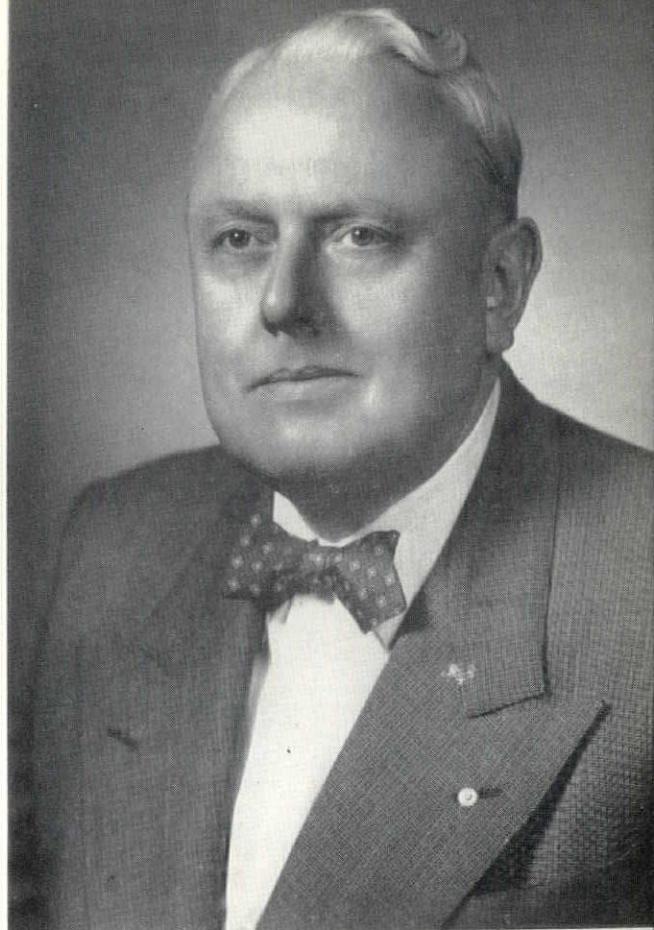
Charles Essig Firestone, Architect (Firestone & Motter, Architects)—Graduate of the University of Michigan, 1914, Bachelor of Science in Architectural Engineering; Member of the A.I.A. since 1921; elevated to Fellowship in the Institute in 1947. Past Pres. of the E.O. Chapter of the A.I.A. 1935-38; Past Pres. of the Architects Society of Ohio, 1939-40.

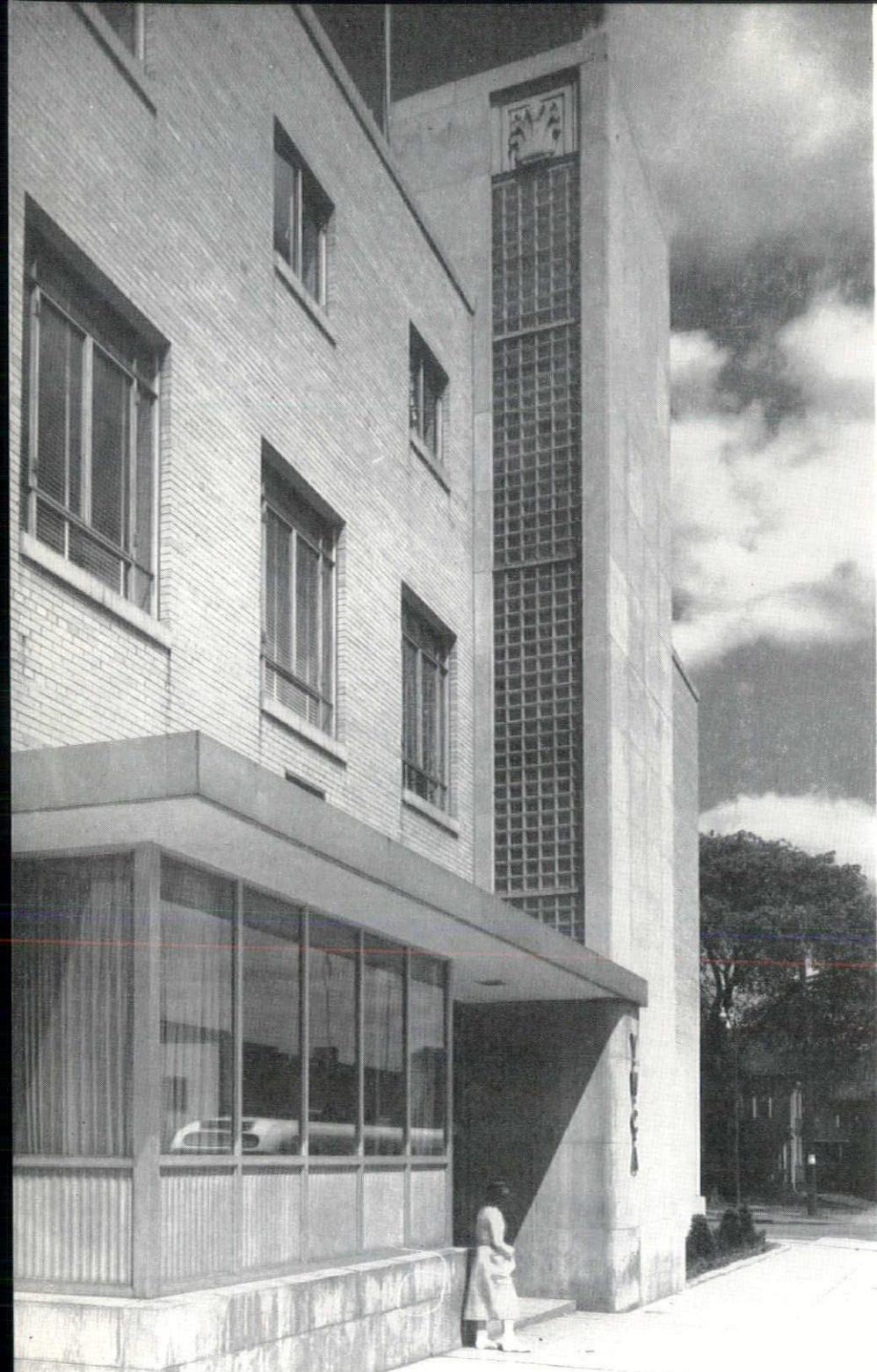
Past Pres. of the National Society of Architectural Examiners, 1944-46; President of the National Council of Architectural Registration Boards 1952—. Member of the Board of Examiners of Architects of Ohio, 1941—.

Opened office in Canton, Ohio, in 1916, confined practice to immediate vicinity. Practice now mostly educational buildings, some of which are:

Light Jr. H.S., Barberton, O.—1952
Stanton Jr. H.S., Alliance, O.—1951
Fawcett Stadium, one of the first, seating 25,000—1937
Canton South H.S.—1937
Timken Vocational H.S., Canton, O.—1938
Elementary School Bldgs.—Canton, Barberton, and surrounding Townships
Industrial buildings for The Hoover Company, Hercules Motors, Timken Roller Bearing Co.; and many Commercial buildings in Canton.

Member of the Building Commission establishing and creating a Building Department, 1918; Member of the Canton Code Commission; Member of Commission revising Code of Safety Requirements for Building and Construction Work for Ohio, 1929-42; Chrm. of Water Commission, 1935-38; Treas. of Builders' Exchange 1929-33; Secy. of Construction Council of Stark County, Inc., 1939-45.





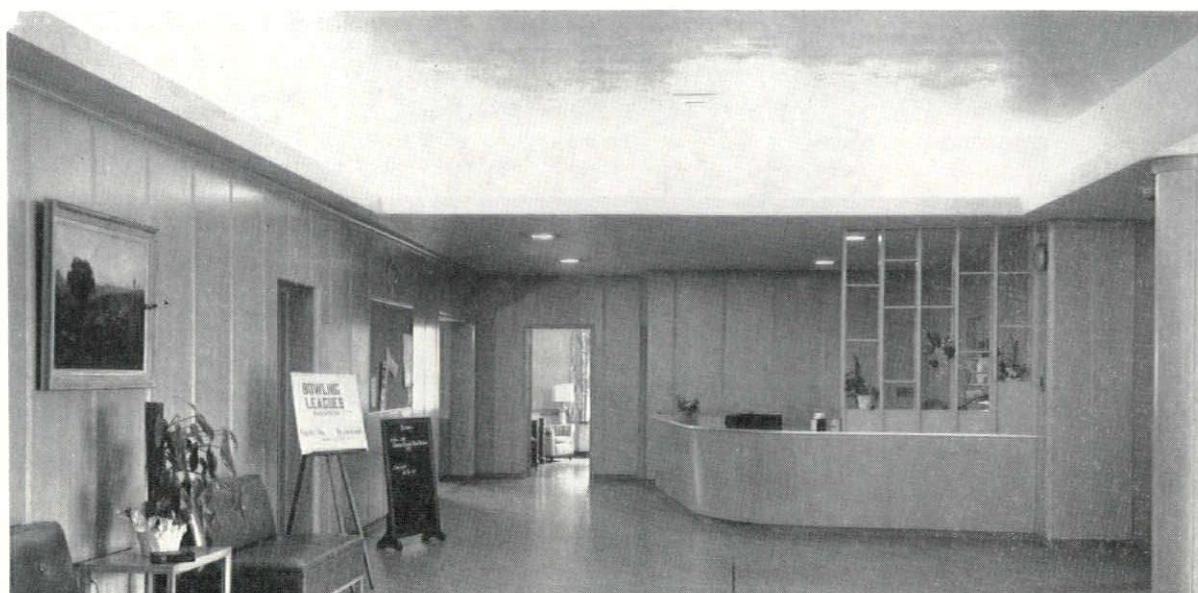
The new Building, recently completed for the Young Women's Christian Association in Canton, Ohio, is the result of Planning Committees, numerous meetings, fund raising campaigns, and many architectural studies. All who have done or are doing similar work will readily appreciate this procedure. It is, in fact, a Community venture with many different ideas from divergent sources to consider, appraise and plan. The Building as completed serves well its purpose, both functionally and esthetically.

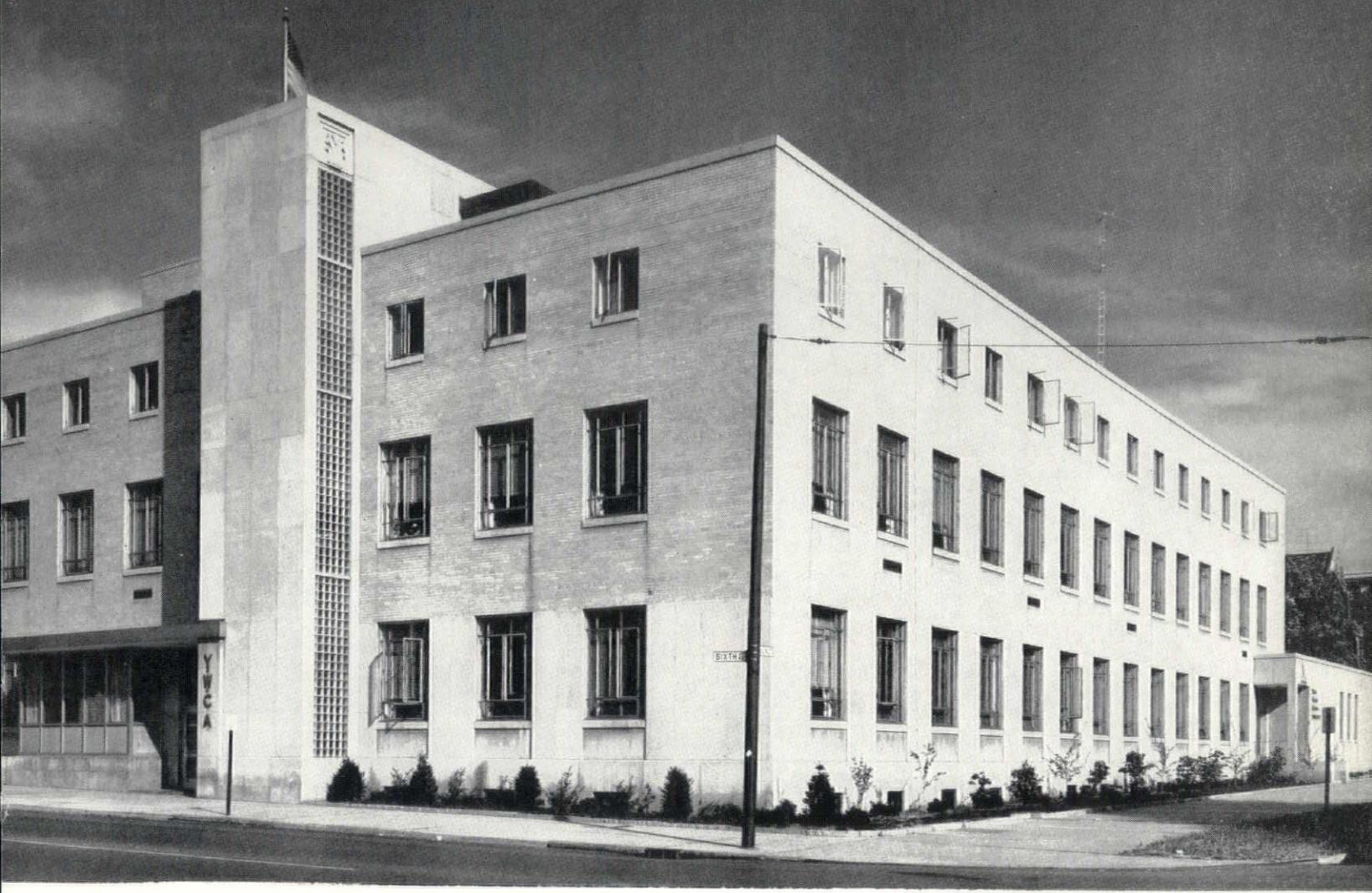
The entrance lobby is to the south, colorful and bright with large aluminum-framed windows facing the waiting-lounge area, and here too, is a control desk with direct access to the administrative offices and a full view of all corridors and entrances to the building.

The all-purpose room used for physical education, dances, banquets, and as an auditorium or assembly room, is entered directly off of the main lobby. It has a small balcony with an oak wainscot, acoustically treated ceiling with recessed light fixtures and anemometers for heating, with a maple floor marked for basketball and other indoor games. The social room, also directly entered from the lobby, functions as a small assembly room, a meeting room for committees, teas, card parties and general lounge. It is designed and decorated as a large living room with acoustically treated ceilings, a wainscot and carpeted floor.

The main kitchen services both of these rooms directly.

The elevator is entered from the lobby and also from the service side. It serves all floors connecting to the public corridors, lobbies, and again from the service side.





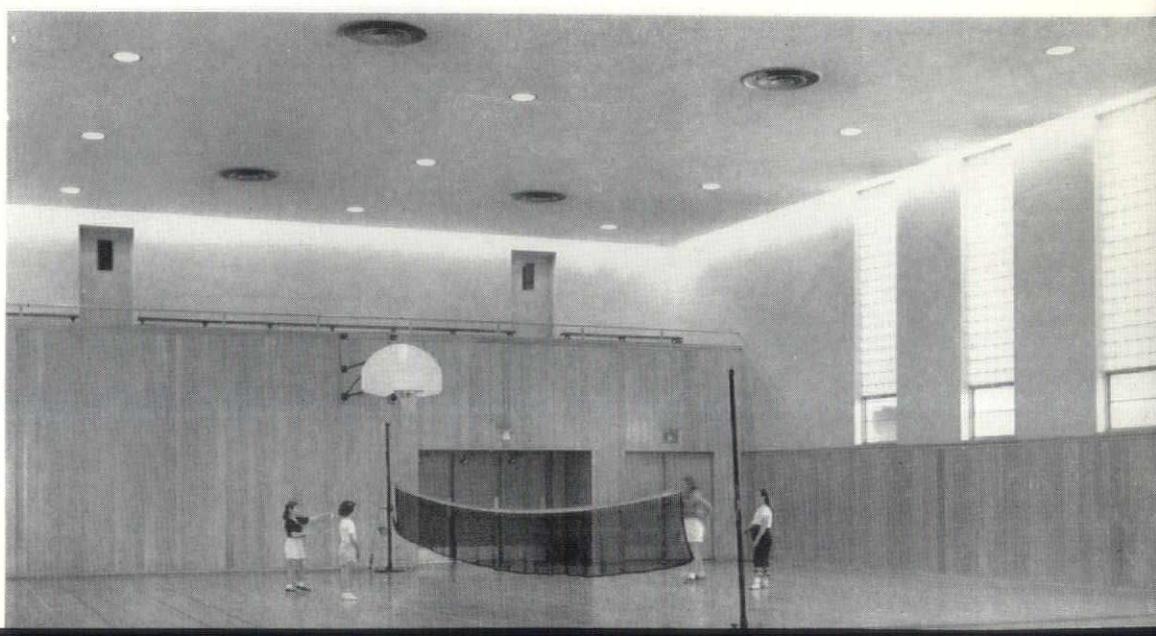
dition, the first floor contains social parlors, a fully equipped room, general offices, powder est rooms.

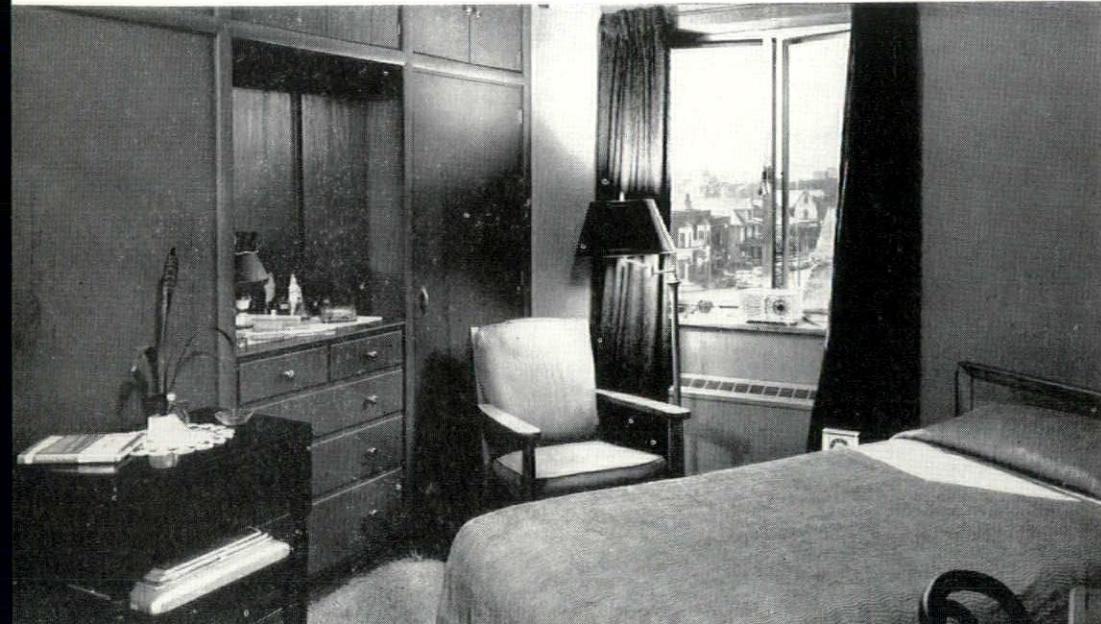
swimming pool at the north end building is in a separate wing ceramic tile floors and white tile floor in the pool and on the of the pool below the water. walls are structural glazed tile rose color to give warmth and using effect in the surrounding. On one side of the pool are her seats provided for accom- nation of about 200 spectators. ceiling is concrete with accou- tile between the concrete s, and is provided with under- lighting and all the accessor- a modern swimming pool.

cker and dressing rooms serve the pool and the all-purpose when used as a gymnasium.

are fully equipped with show- drying rooms, lockers and a

basket system, having terrazzo floors, glazed tile walls with marble shower and toilet stalls. In connection with the locker rooms is the physical director's office with all private accommodations in connection therewith. There is also a general office or distribution center.





The second floor areas are devoted largely to club and social activities with five club rooms divided by modernfold partitions to accommodate groups of various sizes. On this floor there is also a nursery, clinic, powder and toilet rooms, health department and additional space for mechanical equipment which included ventilating fans that may be converted to air conditioning in the future. The corridor is provided with a wood wainscot and the walls are plastered, with acoustic tile ceilings.

The dormitory rooms occupy the third floor. There are 27 single room



and 12 double rooms. Each room has an individual lavatory, the walls between the rooms are prefabricated cabinets, including dressers, wardrobes, etc., equipped with mirrors and dressing tables built into the cabinets. The corridors have asphalt tile, and ceilings acoustical plaster. There are two combination toilet and shower rooms well located for easy access from the various dormitory rooms. There is also on this floor a separate kitchenette and laundry for the use of the dormitory girls. The floor is provided with adequate linen storage and repair rooms. In addition to the dormitory rooms, there is a suite for the house mother, consisting of sitting room, bedroom and bath.

The stairs in the main tower lead to a sun room connected with an open sun deck on the roof level.

The basement contains a large lobby for teen-agers to gather and is serviced by a snack bar, and there is in connection a game room and a large play room which can be used for many purposes, being large enough to accommodate banquets, teen-age dances, and other activities. There are also four bowling al-

leys directly off of the lobby, boiler room and mechanical equipment spaces, particularly for the pool.

The building is of structural steel frame with concrete floors, exterior walls with Indiana limestone and the face brick of light grey color. All the sash are aluminum as are the exterior doors and frames.

The color schemes of the rooms

throughout have been selected to create cheerfulness and a homey, pleasant feeling. The draperies and other materials including the furniture are colorful, light, and gay, thus giving a pleasing harmonious feeling throughout the building, making it a social center for the youth of America who want to gather to receive physical and spiritual Christian training.



Young Women's Christian Association Building Canton, Ohio

Contractors

General Construction	Melbourne Bros. Const. Co., Canton, Ohio *79
Electric Work	Hilscher-Clarke Elec. Co., Canton, Ohio *80
Plumbing, Heating & Ventilating	A. C. Eynon Plumbing Co., Canton, Ohio *79
Elevator	The Haughton Elevator Co., Cleveland, Ohio

Sub-Contractors and Suppliers

Face Brick	Belden Brick Co., Canton, Ohio
Indiana Limestone	Ingalls Stone Co., Bedford, Indiana
Terrazzo	Terrazzo & Resilient Floor Co., Canton, Ohio *77
Marble & Tile	Bertolini Bros., Youngstown, Ohio
Marble	Tennessee Marble, Inc.
Ceramic Tile	Mosaic Tile Co., Zanesville, Ohio *56
Structural Steel	Canton Structural Steel Co., Canton, Ohio *77
Bar Joist, Metal Roof Deck	Macomber's Inc., Canton, Ohio
Roof, Grilles & Rails, Aluminum	
Entrance Doors, Frames, Incinerator,	
Flagpole & Equipment, Ash Hoist	The A. G. Stafford Co., Canton, Ohio *70
Roof	Johns-Manville
Registers	The Auer Register Co., Cleveland, Ohio
Alum. Entrance Doors & Frames	The Kawneer Co., Cleveland, Ohio
Incinerator	The Donley Bros. Co., Cleveland, Ohio *64
Flagpole & Equipment	American Flagpole Equipment Co.
Ash Hoist	Potts Ash Hoist, Inc.
Door Frames & Tinclad Doors	O. J. Weigand, Canton, Ohio *80
Fire Doors	Overly Mfg. Co., Greensburg, Pa.
Aluminum Sash	Chas. Haas Co., Cuyahoga Falls, Ohio
Aluminum Sash	Valley Metal Products, Plainville, Mich.
Asphalt Tile-Tiletex & Acoustical Tile	Canton Floors, Inc., Canton, Ohio
Boilers	Kewanee-Ross Corp., Kewanee, Illinois
Stoker	Canton Stoker Mfg. Co., Canton, Ohio
Webster's Kenetic Gas Burner	
Unit Ventilators	John J. Nesbitt, Inc., Philadelphia, Pa.
Unit Heaters	American Blower Corp., Detroit, Michigan
Control System	Johnson Service Co.
Bowling Alleys	Brunswick-Balk-Collander Co., Cleveland, Ohio
Modern Fold Doors	Modern Fold Door, Canton, Ohio
Modern Fold Doors	Neo Sales, Inc., Cleveland, Ohio
Millwork	Walker Lumber Co., Canton, Ohio
Plumbing Fixtures	Amer. Rad. & St'd Sanitary Corp., Pittsburgh, Pa. *3rd Cover
Incandescent Lighting	The Art Metal Co., Cleveland, Ohio
Kitchen Equipment & Hardware	Canton Hardware, Canton, Ohio
Structural Glazed Facing Tile	Stark Ceramics, Inc., Canton, Ohio *66
Interior Decorating	Thurin's House of Modern, Canton, Ohio

*Denotes page ad appears

A Chain Is No Stronger Than Its Weakest Link

Nor A Building Stronger
Than Its Structural Steel
With Its Proper Erection

Having Furnished the Structural
Steel for Canton's New
YWCA, It Is Our Belief
That This Building Will
Last for Decades

And In Lasting It Will
Serve As A Monument
To the Endeavor and
Courage and Civic Pride
That Made This
Building Possible

We Congratulate Canton
For Providing A Present
And Future Home
For the Young Women
Of Canton and Her Environs

CANTON STRUCTURAL STEEL CO.

HERMAN J. EBERMAN

ARCHITECTS: FIRESTONE & MOTTER

May Our Terrazzo Floors

Remain and Serve as Long

As Does the Usefulness of

The New Canton YWCA

These Have Been Laid

Honestly and with Pride

Of Accomplishment We

So Dearly Cherish

Humbly, We Have Attempted

To Do Our Part in this

Building — Dedicated to the

Young Women of Canton.

**Terrazzo
Resilient Floor Co.**

Canton, Ohio

D. Bernardon

REVISED SCHEDULE OF UNIT COSTS

BASED ON CUBICAL CONTENTS OF BUILDINGS

Annually since 1915, the Detroit Real Estate Board has produced and distributed a schedule of unit costs employing cubical contents of buildings as the basis for determination of costs. The schedule revised as of Jan. 1, 1951 is presented herewith.

The schedule of costs was produced primarily as a service to members of the Detroit Real Estate Board, as a guide in estimating construction or reproduction costs and as a possible guide to appraisers. Within recent years, scores of requests for copies have come from all parts of the United States and numerous trade publications have asked permission to publish the schedule. It has been and continues to be the policy of the Detroit Real Estate Board to authorize reproduction of the schedule by recognized trade publications and by banks, trust companies, insurance companies, building and loan associations, mortgage companies, appraisal organizations, etc., for the personal use of members of those organizations but no permission is given for reproduction of the schedule for sale. Additional copies may be purchased from the Detroit Real Estate Board at 30 cents each.

The willing and painstaking cooperation of the Department of Buildings and Safety Engineering in the preparation of this schedule is appreciatively acknowledged. In using this schedule, the rules established by Commissioner Joseph P. Wolff and his department heads, should be observed. These rules follow:

"The cubical volume of a building for the purposes of determining the fees shall be measured as follows:

"From the outside of the walls and from the basement floor to the mean point of a pitched roof or to the highest point of a flat roof. The volume shall include all dormers, enclosed porches, pent houses, and other enclosed portions of a building, but shall exclude open porches.

"In the case of buildings without basements, the measurements shall be taken from the ground line, and in the case of large buildings having deep foundations, the height shall be measured from a point below the basement floor by an amount equal to 1-5 of the depth of the foundation.

"In the case of open shelter sheds and other open sheds, the volume shall be determined by measuring from the projection of the edge of the roof and from the ground line to the mean height of the roof."

The cost figures presented are presumed to represent the minimum cost at which a fairly good building of economic design, may be constructed under most favorable circumstances within the Detroit district. The costs contain architect's fees, contractor's profits and all general items of construction and equipment including plumbing and heating systems, elevators, incinerators, refrigerating systems, etc. Financing costs, however, are not included.

As bids of individual contractors may vary from 20% to 50%, so may there be a marked variance in the costs of similar buildings erected within a single area. The quality of construction must be taken into account. The schedule presented is based upon the cost of average construction. The costs might be lessened by inferior construction or substantially increased by superior construction. In all instances the schedule should be used to reinforce rather than to supplant the experience, information and judgment of the user.

Since 1915, the schedule has been prepared under like circumstances and based upon like factors. It may be assumed, therefore, to present a rather accurate picture of the movement of building costs in the Detroit area during the past 38 years.

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C O S T												C E N T S												
F O O T			C U B I C			F O O T			C U B I C			F O O T			C U B I C			F O O T			C U B I C			
Jan. 1, 1951	Jan. 1, 1950	Jan. 1, 1949	Jan. 1, 1951	Jan. 1, 1950	Jan. 1, 1949	Jan. 1, 1951	Jan. 1, 1950	Jan. 1, 1949	Jan. 1, 1951	Jan. 1, 1950	Jan. 1, 1949	Jan. 1, 1951	Jan. 1, 1950	Jan. 1, 1949	Jan. 1, 1951	Jan. 1, 1950	Jan. 1, 1949	Jan. 1, 1951	Jan. 1, 1950	Jan. 1, 1949	Jan. 1, 1951	Jan. 1, 1950	Jan. 1, 1949	
Classification of Buildings	Ans.	Ans.																						
Factories and Warehouses	1915	1920	1922	1924	1926	1928	1930	1932	1934	1936	1938	1940	1942	1944	1946	1948	1950	1952	1954	1956	1958	1960	1962	1964
Fireproof (Under 300,000 cu. ft.)	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
Fireproof (Over 300,000 cu. ft.)	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%
Mill Construction	10	22%	15%	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Ordinary	10	10%	10%	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Frame	17	12	10	8	11	13	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Fireproof	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
Ordinary (Above Ordinary)	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%
Frame (Above Ordinary)	27%	23	23	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Ordinary without Basements	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
Ordinary	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
Churches and Theatres	18	40%	25	28	27	32%	31%	36%	35%	34%	35%	34%	35%	34%	35%	34%	35%	34%	35%	34%	35%	34%	35%	34%
Ordinary	15%	35	24%	19	18	22	27%	27%	27%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%
Office Buildings	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Fireproof	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Ordinary	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%
Houses	23%	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Fireproof	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%
Ordinary	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
Brick (with 12" basement wall)	30%	38	48	33	45	48	46	45	47	44	47	44	47	45	46	45	46	45	46	45	46	45	46	45
Brick (with 8" basement wall)	28%	36	46	32	34	32	32	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%
Brick (with 6" basement wall)	26%	34	44	30	33	34	32	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%
Brick (with 4" basement wall)	24%	32	42	28	30	29	28	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%
Brick (with 2" basement wall)	22%	30	40	24	32	34	32	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%
Brick (with 1" basement wall)	20%	28	38	22	24	26	24	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%
Brick (with 8" basement wall)	18%	26	36	20	22	24	22	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Brick (with 6" basement wall)	16%	24	34	18	20	22	20	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
Brick (with 4" basement wall)	14%	22	32	16	18	20	18	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
Brick (with 2" basement wall)	12%	20	30	14	16	18	16	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%
Brick (with 1" basement wall)	10%	18	28	12	14	16	14	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%
Brick (with 8" basement wall)	18%	26	36	20	22	24	22	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Brick (with 6" basement wall)	16%	24	34	18	20	22	20	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
Brick (with 4" basement wall)	14%	22	32	16	18	20	18	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
Brick (with 2" basement wall)	12%	20	30	14	16	18	16	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%
Brick (with 1" basement wall)	10%	18	28	12	14	16	14	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%
Brick (with 8" basement wall)	18%	26	36	20	22	24	22	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Brick (with 6" basement wall)	16%	24	34	18	20	22	20	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
Brick (with 4" basement wall)	14%	22	32	16	18	20	18	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
Brick (with 2" basement wall)	12%	20	30	14	16	18	16	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%
Brick (with 1" basement wall)	10%	18	28	12	14	16	14	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%
Brick (with 8" basement wall)	18%	26	36	20	22	24	22	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Brick (with 6" basement wall)	16%	24	34	18	20	22	20	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
Brick (with 4" basement wall)	14%	22	32	16	18	20	18	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
Brick (with 2" basement wall)	12%	20	30	14	16	18	16	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%
Brick (with 1" basement wall)	10%	18</																						

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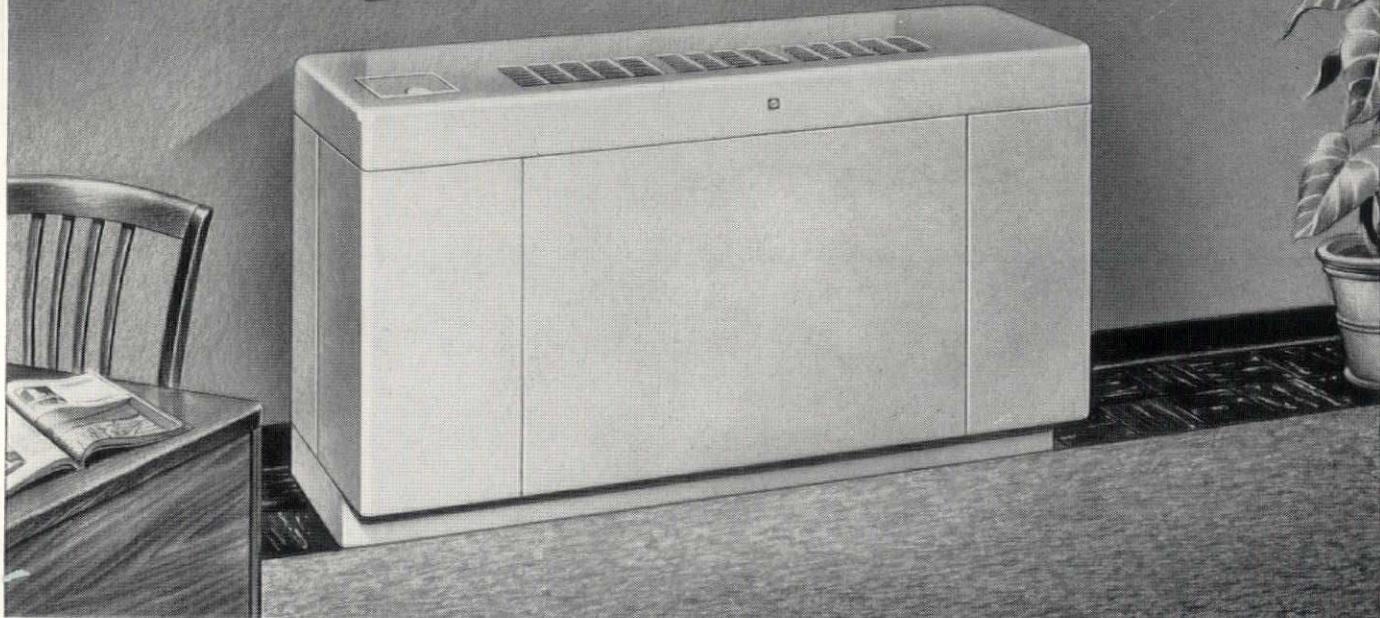
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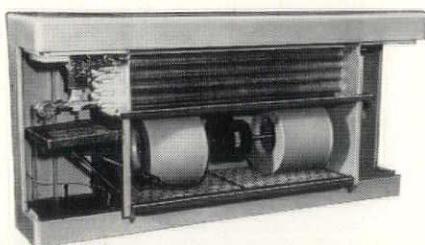
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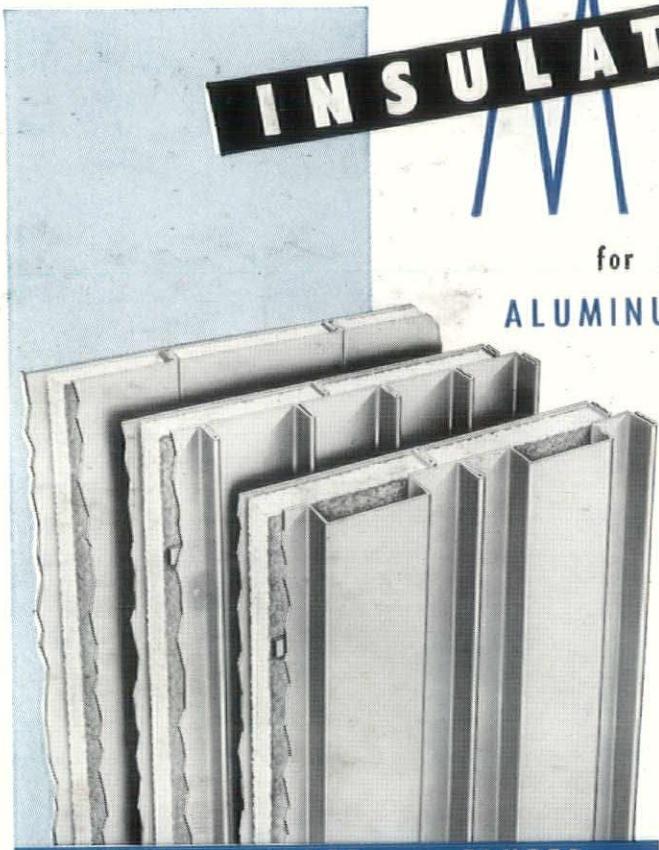
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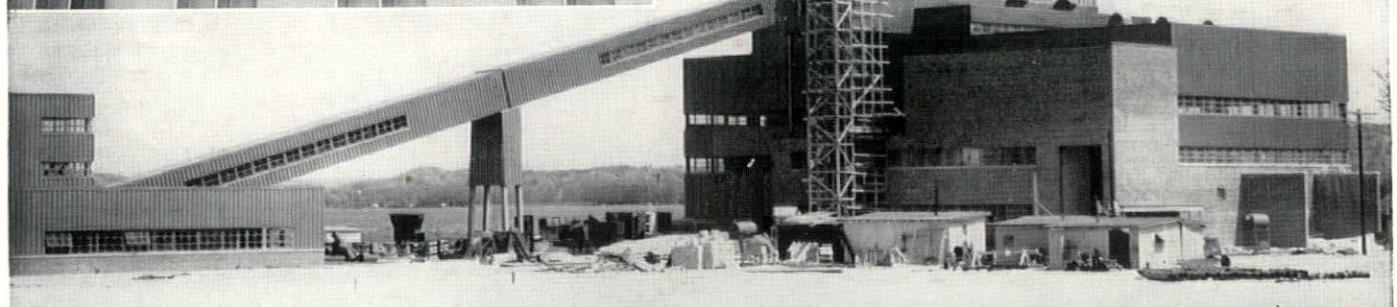
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